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OM protein - protein search, using SW model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds

(without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582B-2

Perfect score: 44

Sequence: 1 GGGVFWQ 7

Scoring table: BLOSUM62

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Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	44	100.0	7	US-09-326-718-2	Sequence 2, Appl
2	38	86.4	502	US-09-489-039A-13376	Sequence 13376, A
3	36	81.8	146	US-09-621-976-6871	Sequence 6871, Ap
4	36	81.8	1318	US-09-540-236-3623	Sequence 3623, Ap
5	35	79.5	723	US-09-328-352-7106	Sequence 7106, Ap
6	35	79.5	853	US-09-489-039A-8500	Sequence 8500, Ap
7	34	77.3	73	US-09-540-236-3484	Sequence 3484, Ap
8	34	77.3	188	US-09-328-352-7896	Sequence 7896, Ap
9	34	77.3	559	US-09-489-039A-9319	Sequence 9319, Ap
10	33	75.0	148	US-09-489-039A-10125	Sequence 10125, A
11	33	75.0	170	US-09-439-554-18	Sequence 18, Appl
12	33	75.0	241	US-09-198-452A-1044	Sequence 1044, Ap
13	33	75.0	263	US-09-134-001C-4512	Sequence 4512, Ap
14	33	75.0	298	US-09-489-039A-13636	Sequence 13636, A
15	33	75.0	301	US-09-522-714-14	Sequence 14, Appl
16	33	75.0	305	US-09-178-610-6	Sequence 6, Appl
17	33	75.0	317	US-08-619-362A-8	Sequence 8, Appl
18	33	75.0	317	US-08-790-572-3	Sequence 3, Appl
19	33	75.0	317	US-09-213-396-3	Sequence 3, Appl
20	33	75.0	318	US-08-619-362A-9	Sequence 9, Appl
21	33	75.0	340	US-08-790-572-1	Sequence 1, Appl
22	33	75.0	342	US-09-213-398-1	Sequence 1, Appl
23	33	75.0	340	US-09-149-476-695	Sequence 695, Ap
24	33	75.0	358	US-09-151-771B-8	Sequence 8, Appl
25	33	75.0	358	US-09-151-771B-9	Sequence 9, Appl
26	33	75.0	359	US-09-154-750A-30	Sequence 30, Appl
27	33	75.0	360	US-09-489-039A-9981	Sequence 9981, Ap

28	33	75.0	378	US-09-638-937-14	Sequence 14, Appl
29	33	75.0	380	US-09-638-937-11	Sequence 11, Appl
30	33	75.0	382	US-08-872-302-2	Sequence 2, Appl
31	33	75.0	396	US-09-489-039A-9480	Sequence 9480, Ap
32	33	75.0	435	US-09-489-039A-13740	Sequence 13740, A
33	33	75.0	503	US-09-252-991A-32663	Sequence 32663, A
34	33	75.0	606	US-09-041-236-4	Sequence 4, Appl
35	33	75.0	606	US-09-771-467C-4	Sequence 4, Appl
36	33	75.0	816	US-09-252-991A-28790	Sequence 28790, A
37	32	72.7	81	US-09-134-001C-3196	Sequence 3196, Ap
38	32	72.7	168	US-09-489-039A-8722	Sequence 8722, Ap
39	32	72.7	291	US-09-362-831-4	Sequence 4, Appl
40	32	72.7	347	US-09-543-681A-7285	Sequence 7285, Ap
41	32	72.7	354	US-09-489-039A-7771	Sequence 7771, Ap
42	32	72.7	389	US-07-939-501A-1	Sequence 1, Appl
43	32	72.7	389	US-08-448-358-7	Sequence 7, Appl
44	32	72.7	405	US-09-134-000C-5472	Sequence 5472, Ap
45	32	72.7	423	US-07-939-501A-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-326-718-2
Sequence 2, Application US/09326718
Patent No. 6303573
GENERAL INFORMATION:
APPLICANT: Kioshi, Erkki
TITLE OF INVENTION: Heart Homing Peptides and Methods of
FILE REFERENCE: P-LJ 3512
CURRENT APPLICATION NUMBER: US/09/326,718
CURRENT FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
US-09-326-718-2

Query Match 100.0%; Score 44; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3805;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7

DB 1 GGGVFWQ 7

US-09-489-039A-13376

Sequence 13376, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

PRIOR FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 13376

LENGTH: 502

TYPE: PRT

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-13376

APP

Query Match 86.4%; Score 38; DB 4; Length 502;
 Best Local Similarity 100.0%; Pred. No. 70;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGGVFWQ 7
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 DB 338 GGGVFWQ 343

RESULT 3
 US-09-621-976-6871
 ; Sequence 6871, Application US/09621976
 ; Patent No. 6639053
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; APPLICANT: Jobert, S.
 ; APPLICANT: Giordano, J.Y.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET.054PR2
 ; CURRENT APPLICATION NUMBER: US/09/621,976
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19315
 ; SOFTWARE: Patent.pm
 ; SEQ ID NO 6871
 ; LENGTH: 146
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-621-976-6871

Query Match 81.8%; Score 36; DB 4; Length 146;
 Best Local Similarity 83.3%; Pred. No. 45;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 96 GGGVFW 101

RESULT 4
 US-09-540-236-3623
 ; Sequence 3623, Application US/09540236
 ; Patent No. 6673910
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
 ; FILE REFERENCE: 2709.2005-001
 ; CURRENT APPLICATION NUMBER: US/09/540,236
 ; CURRENT FILING DATE: 2000-04-04
 ; NUMBER OF SEQ ID NOS: 3840
 ; SEQ ID NO 3623
 ; LENGTH: 1318
 ; TYPE: PRT
 ; ORGANISM: M.catarrhalis
 US-09-540-236-3623

Query Match 81.8%; Score 36; DB 4; Length 1318;
 Best Local Similarity 71.4%; Pred. No. 3.8e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 584 GGGVFWQ 590

RESULT 5
 US-09-328-352-7106
 ; Sequence 7106, Application US/09328352
 ; Patent No. 6562958
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC99-03PA
 ; CURRENT APPLICATION NUMBER: US/09/328,352
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 8252
 ; SEQ ID NO 7106
 ; LENGTH: 723
 ; TYPE: PRT
 ; ORGANISM: Acinetobacter baumannii
 US-09-328-352-7106

Query Match 79.5%; Score 35; DB 4; Length 723;
 Best Local Similarity 85.7%; Pred. No. 3.1e+02;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 640 GGGVFWQ 646

RESULT 6
 US-09-489-039A-8500
 ; Sequence 8500, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; FILE REFERENCE: 2709.2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 8500
 ; LENGTH: 853
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-8500

Query Match 79.5%; Score 35; DB 4; Length 853;
 Best Local Similarity 71.4%; Pred. No. 3.7e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 793 GGGVFWQ 799

RESULT 7
 US-09-540-236-3484
 ; Sequence 3484, Application US/09540236
 ; Patent No. 6673910
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CAT
 ; FILE REFERENCE: 2709.2005-001
 ; CURRENT APPLICATION NUMBER: US/09/540,236
 ; CURRENT FILING DATE: 2000-04-04
 ; NUMBER OF SEQ ID NOS: 3840
 ; SEQ ID NO 3484
 ; LENGTH: 73
 ; TYPE: PRT
 ; ORGANISM: M.catarrhalis
 US-09-540-236-3484

Query Match 77.3%; Score 34; DB 4; Length 73;
 Best Local Similarity 83.3%; Pred. No. 49;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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Db 19 GGGCFW 24

RESULT 8

US-09-328-352-7896
; Sequence 7896, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-039A
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7896
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7896

Query Match

Best Local Similarity 77.3%; Score 34; DB 4; Length 188;
Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6

Db 22 GGGCFW 27

RESULT 9

US-09-489-039A-9319
; Sequence 9319, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9319
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9319

Query Match

Best Local Similarity 77.3%; Score 34; DB 4; Length 559;
Pred. No. 3.6e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 GGVFWQ 7

Db 290 GGVFWQ 295

RESULT 10

US-09-489-039A-10125
; Sequence 10125, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 10125

; LENGTH: 148

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-10125

Query Match

Best Local Similarity 75.0%; Score 33; DB 4; Length 148;
Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6

Db 22 GGGVFW 27

RESULT 11

US-09-439-554-18
; Sequence 18, Application US/09439554
; Patent No. 6479733
; GENERAL INFORMATION:
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Odell, Joan T.
; APPLICANT: Sakai, Hajime
; APPLICANT: Thorpe, Catherine J.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Farnodu, Omojaye O.
; TITLE OF INVENTION: STEROL METABOLISM ENZYMES
; FILE REFERENCE: B1114 US NA
; CURRENT APPLICATION NUMBER: US/09/439,554
; CURRENT FILING DATE: 1999-11-12
; EARLIER APPLICATION NUMBER: 60/108,351
; EARLIER FILING DATE: 1998-No. 6479733ember-13
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 18
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (153)
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (169)
US-09-439-554-18

Query Match

Best Local Similarity 75.0%; Score 33; DB 4; Length 170;
Pred. No. 1.6e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGVFW 6

Db 14 GGGVFW 19

RESULT 12

US-09-198-452A-1044
; Sequence 1044, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1044
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1044

Query Match 75.0%; Score 33; DB 4; Length 241;
 Best Local Similarity 83.3%; Pred. No. 2.3e+02;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 109 GGGVFW 114

RESULT 13
 US-09-134-001C-4512
 ; Sequence 4512, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 4512
 ; LENGTH: 263
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-4512

Query Match 75.0%; Score 33; DB 4; Length 263;
 Best Local Similarity 100.0%; Pred. No. 2.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFW 6
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 DB 119 GGVFW 123

RESULT 14
 US-09-489-039A-13636
 ; Sequence 13636, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; FILE REFERENCE: 2709,2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 13636
 ; LENGTH: 298
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-13636

Query Match 75.0%; Score 33; DB 4; Length 298;
 Best Local Similarity 83.3%; Pred. No. 2.8e+02;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 241 GGGVFW 246

RESULT 15
 US-09-522-714-14
 ; Sequence 14, Application US/09522714

Patent No. 6563020
 ; GENERAL INFORMATION:
 ; APPLICANT: Simmons, Carl R.
 ; APPLICANT: Valpanti, Nasser
 ; TITLE OF INVENTION: Make Chitinaes and Their Use in
 ; FILE REFERENCE: 1100
 ; CURRENT APPLICATION NUMBER: US/09/522,714
 ; CURRENT FILING DATE: 2000-03-10
 ; EARLIER APPLICATION NUMBER: 60/125,915
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 14
 ; LENGTH: 301
 ; TYPE: PRT
 ; ORGANISM: Zea mays
 US-09-522-714-14

Query Match 75.0%; Score 33; DB 4; Length 301;
 Best Local Similarity 66.7%; Pred. No. 2.9e+02;
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 152 GGGVFW 157

Search completed: March 1, 2004, 16:59:05
 Job time: 11.9268 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582b-2

Perfect score: 44

Sequence: 1 GGGVFWQ (7)

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result NO.	Score	Query Match	Length	ID	Description
1	44	100.0	7	9 US-09-782-650-1	Sequence 1, Appl1
2	44	100.0	7	10 US-09-910-582b-2	Sequence 2, Appl1
3	37	84.1	158	9 US-09-881-752x-38	Sequence 38, Appl1
4	36	81.8	158	14 US-10-029-386-27774	Sequence 27774, A
5	36	81.8	280	9 US-09-925-300-1419	Sequence 1419, App
6	35	79.5	416	14 US-10-260-212-2	Sequence 2, Appl1
7	35	79.5	445	15 US-10-369-493-3089	Sequence 3089, App
8	35	79.5	637	15 US-10-431-273-48	Sequence 48, Appl1
9	35	79.5	729	9 US-09-815-242-10132	Sequence 10132, A
10	34	77.3	150	15 US-10-369-493-7266	Sequence 7266, App
11	34	77.3	173	15 US-10-369-493-4508	Sequence 4508, App
12	34	77.3	174	15 US-10-369-493-8677	Sequence 8677, App
13	34	77.3	177	15 US-10-369-493-18610	Sequence 18610, A
14	34	77.3	238	15 US-10-101-464A-702	Sequence 702, App
15	34	77.3	278	14 US-10-002-631C-122	Sequence 122, App

16	34	77.3	304	14	US-10-017-161-2288	Sequence 2288, App
17	34	77.3	304	15	US-10-292-798-1934	Sequence 1934, App
18	34	77.3	346	10	US-09-917-378-8	Sequence 8, Appl1
19	34	77.3	353	15	US-10-369-493-20845	Sequence 20845, A
20	34	77.3	491	14	US-10-156-761-8169	Sequence 8169, App
21	34	77.3	500	15	US-10-369-493-3246	Sequence 3246, App
22	34	77.3	506	15	US-10-369-493-7784	Sequence 7784, App
23	34	77.3	521	15	US-10-369-493-449	Sequence 449, App
24	34	77.3	521	15	US-10-369-493-21204	Sequence 21204, A
25	34	77.3	528	15	US-10-369-493-21791	Sequence 21791, A
26	34	77.3	530	15	US-10-369-493-835	Sequence 835, App
27	33	75.0	109	9	US-09-764-868-944	Sequence 944, App
28	33	75.0	241	15	US-10-289-762-1044	Sequence 1044, App
29	33	75.0	276	15	US-10-264-049-1128	Sequence 1128, App
30	33	75.0	301	14	US-10-304-928-14	Sequence 14, App
31	33	75.0	317	9	US-09-151-771-8	Sequence 8, Appl1
32	33	75.0	318	9	US-09-151-771-9	Sequence 9, Appl1
33	33	75.0	338	14	US-10-170-789-36	Sequence 36, Appl1
34	33	75.0	342	10	US-09-809-391-695	Sequence 695, App
35	33	75.0	342	10	US-09-882-171-695	Sequence 695, App
36	33	75.0	358	14	US-10-205-219-131	Sequence 131, App
37	33	75.0	358	14	US-10-385-450-8	Sequence 8, Appl1
38	33	75.0	358	14	US-10-385-450-9	Sequence 9, Appl1
39	33	75.0	400	15	US-10-369-493-12703	Sequence 12703, A
40	33	75.0	409	14	US-09-790-264-42	Sequence 42, Appl1
41	33	75.0	409	14	US-10-269-353-42	Sequence 42, Appl1
42	33	75.0	410	14	US-10-156-761-11310	Sequence 11310, A
43	33	75.0	417	9	US-09-815-242-10165	Sequence 10165, A
44	33	75.0	432	14	US-10-081-872-74	Sequence 74, Appl1
45	33	75.0	432	14	US-10-081-872-84	Sequence 84, Appl1

ALIGNMENTS

RESULT 1

US-09-782-650-1

Sequence 1, Application US/09782650

Patent No. US20020019350A1

GENERAL INFORMATION:

APPLICANT: Levine, Arnold J.

APPLICANT: Mitterer, Arthur

APPLICANT: Falkner, Falko-Guenter

APPLICANT: Schefflinger, Friedrich

APPLICANT: Dornier, Friedrich

APPLICANT: Edwards Lifesciences Corporation

TITLE OF INVENTION: Targeted Angiogenesis

FILE REFERENCE: 20553D-000611US

CURRENT APPLICATION NUMBER: US/09/782,650

CURRENT FILING DATE: 2001-02-12

PRIOR APPLICATION NUMBER: US 09/324,079

PRIOR FILING DATE: 1999-06-01

PRIOR APPLICATION NUMBER: US 09/327,045

PRIOR FILING DATE: 1999-06-02

PRIOR APPLICATION NUMBER: PCT/US00/14988

PRIOR FILING DATE: 2000-05-31

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1

LENGTH: 7

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: targeting

OTHER INFORMATION: molecule

US-09-782-650-1

Query Match 100.0%; Score 44; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches 7; Conservative 0; Mismatches 0; Gaps 0;

QY 1 GGGVFWQ 7
|||||||

Andy Pappas

Db 1 GGGVFWQ 7

RESULT 2

US-09-910-582B-2
 ; Sequence 2, Application US/09910582B
 ; Publication No. US2003004576A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruosteharju, Erkki
 ; APPLICANT: Mackenna, Delidre A.
 ; TITLE OF INVENTION: Heart Homing Conjugates
 ; FILE REFERENCE: P-LJ 4857
 ; CURRENT APPLICATION NUMBER: US/09/910,582B
 ; CURRENT FILING DATE: 2001-07-20
 ; PRIOR APPLICATION NUMBER: US 09/326,718
 ; PRIOR FILING DATE: 1999-06-07
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 7
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic construct
 US-09-910-582B-2

Query Match 100.0%; Score 44; DB 10; Length 7;
 Best Local Similarity 100.0%; Pred. No. 7.2e+05;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
 Db 1 GGGVFWQ 7

RESULT 3

US-09-881-752A-38
 ; Sequence 38, Application US/09881752A
 ; Patent No. US20020115078A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kleantchous, Harold
 ; APPLICANT: Al-Garawi, Amal
 ; APPLICANT: Miller, Charles
 ; APPLICANT: Tomb, Jean-Francois
 ; APPLICANT: Oomen, Raymond P.
 ; TITLE OF INVENTION: Identification of Polynucleotides
 ; TITLE OF INVENTION: Encoding No. US20020115078A1 Helicobacter Polypeptides in the
 ; FILE REFERENCE: 06132/041002
 ; CURRENT APPLICATION NUMBER: US/09/881,752A
 ; CURRENT FILING DATE: 2001-06-15
 ; PRIOR APPLICATION NUMBER: US 08/833,457
 ; PRIOR FILING DATE: 1997-04-01
 ; NUMBER OF SEQ ID NOS: 370
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 38
 ; LENGTH: 480
 ; TYPE: PRT
 ; ORGANISM: Helicobacter pylori
 US-09-881-752A-38

Query Match 84.1%; Score 37; DB 9; Length 480;
 Best Local Similarity 71.4%; Pred. No. 2.4e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
 Db 130 GGGVFWQ 136

RESULT 4
 US-10-029-386-27774
 ; Sequence 27774, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharon G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; FILE REFERENCE: AEOMICA-X-2
 ; CURRENT APPLICATION NUMBER: US/10/029,386
 ; CURRENT FILING DATE: 2001-12-20
 ; NUMBER OF SEQ ID NOS: 34288
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 27774
 ; LENGTH: 158
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AL138752.2
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8.1
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 8.2
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.5
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 7.6
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.2
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.5
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.2
 ; OTHER INFORMATION: SWISSPROT HIT: Q9N0T5, EVALU8 3.00e-45
 US-10-029-386-27774

Query Match 81.8%; Score 36; DB 14; Length 158;
 Best Local Similarity 83.3%; Pred. No. 1.3e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
 Db 146 GGGVFW 151

RESULT 5

US-09-925-300-1419
 ; Sequence 1419, Application US/09925300
 ; Patent No. US20020151681A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Craig Ruben
 ; APPLICANT: Steve Ruben
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: P101
 ; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05988
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1890
 ; SOFTWARE: Patentm Ver. 2.0
 ; SEQ ID NO 1419
 ; LENGTH: 280
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-300-1419

Query Match 81.8%; Score 36; DB 9; Length 280;
 Best Local Similarity 83.3%; Pred. No. 2.2e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
 Db 101 GGGVFW 106

RESULT 6
 US-10-260-212-2
 ; Sequence 2, Application US/10260212
 ; Publication No. US20030131380A1

```

; GENERAL INFORMATION:
; APPLICANT: SOCIETE DES PRODUITS NESTLE S.A.
; TITLE OF INVENTION: Coffee Mannanase
; FILE REFERENCE: 88265-6783
; CURRENT APPLICATION NUMBER: US/10/260,212
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: PCT/EP01/01549
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 416
; TYPE: PRT
; ORGANISM: Coffea arabica
US-10-260-212-2

Query Match          79.5%; Score 35; DB 14; Length 416;
Best Local Similarity 71.4%; Pred. No. 4.5e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
Db      372 GGNLFWQ 378

RESULT 7
US-10-369-493-3089
; Sequence 3089, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3089
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(445)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3089

Query Match          79.5%; Score 35; DB 15; Length 445;
Best Local Similarity 71.4%; Pred. No. 4.8e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
Db      396 GGAVFWE 402

RESULT 8
US-10-431-273-48
; Sequence 48, Application US/10431273
; Publication No. US20030237108A1
; GENERAL INFORMATION:
; APPLICANT: Demmer, Jerroen
; APPLICANT: Shenk, Michael Andrew
; APPLICANT: Glenn, Matthew
; APPLICANT: No. US20030237108A1
; APPLICANT: Saulsbury, Keith Martin
; APPLICANT: Hall, Claire
```

```

; APPLICANT: Forster, Richard L. S.
; TITLE OF INVENTION: Compositions isolated from forage
; TITLE OF INVENTION: grasses and methods for their use.
; FILE REFERENCE: 11000.1069U
; CURRENT APPLICATION NUMBER: US/10/431,273
; CURRENT FILING DATE: 2003-05-06
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 637
; TYPE: PRT
; ORGANISM: Lolium perenne
US-10-431-273-48

Query Match          79.5%; Score 35; DB 15; Length 637;
Best Local Similarity 71.4%; Pred. No. 6.7e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
Db      27 GGGVWWR 33

RESULT 9
US-09-815-242-10132
; Sequence 10132, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10132
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-815-242-10132

Query Match          79.5%; Score 35; DB 9; Length 729;
Best Local Similarity 85.7%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
Db      649 GGGVWNO 655

RESULT 10
```

```
US-10-369-493-7266
; Sequence 7266, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 7266
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-369-493-7266
```

```
Query Match          77.3%; Score 34; DB 15; Length 150;
Best Local Similarity 83.3%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGVFW 6
        |||
        6 GGGCFW 11
```

```
RESULT 11
US-10-369-493-4508
; Sequence 4508, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4508
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-369-493-4508
```

```
Query Match          77.3%; Score 34; DB 15; Length 173;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGVFW 6
        |||
        6 GGGCFW 11
```

```
RESULT 12
US-10-369-493-8677
; Sequence 8677, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
```

```
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 8677
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Ralstonia metallidurans
US-10-369-493-8677
```

```
Query Match          77.3%; Score 34; DB 15; Length 174;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGVFW 6
        |||
        6 GGGCFW 11
```

```
RESULT 13
US-10-369-493-18610
; Sequence 18610, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 18610
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Halobacterium sp. NRC-1
US-10-369-493-18610
```

```
Query Match          77.3%; Score 34; DB 15; Length 177;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1 GGGVFW 6
        |||
        9 GGGCFW 14
```

```
RESULT 14
US-10-101-464A-702
; Sequence 702, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; FILE REFERENCE: 11000.1020c2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
```


; PRIOR APPLICATION NUMBER: 09/228,986
 ; PRIOR FILING DATE: 1999-01-12
 ; PRIOR APPLICATION NUMBER: 60/162,866
 ; PRIOR FILING DATE: 1999-11-01
 ; PRIOR APPLICATION NUMBER: PCT/US00/00724
 ; PRIOR FILING DATE: 2000-01-11
 ; NUMBER OF SEQ ID NOS: 989
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 702
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Pinus radiata
 US-10-101-464A-702

Query Match 77.3%; Score 34; DB 14; Length 238;
 Best Local Similarity 83.3%; Pred. No. 4e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFWQ 7
 |||||
 Db 18 GGVFWR 23

RESULT 15
 US-10-002-631C-122
 ; Sequence 122, Application US/10002631C
 ; Publication No. US20030157486A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Graff, Jonathon M.
 ; APPLICANT: Muenster, Matthew
 ; TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
 ; FILE REFERENCE: A34943 090495.0243
 ; CURRENT APPLICATION NUMBER: US/10/002,631C
 ; CURRENT FILING DATE: 2001-10-31
 ; PRIOR APPLICATION NUMBER: 60/300,309
 ; PRIOR FILING DATE: 2001-06-21
 ; NUMBER OF SEQ ID NOS: 324
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 122
 ; LENGTH: 278
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: UNSURE
 ; LOCATION: (1)...(269)
 ; OTHER INFORMATION: Xaa = any amino acid
 US-10-002-631C-122

Query Match 77.3%; Score 34; DB 14; Length 278;
 Best Local Similarity 83.3%; Pred. No. 4.6e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFWQ 7
 |||||
 Db 241 GGVFWR 246

Search completed: March 1, 2004, 17:16:43
 Job time : 23.1951 secs

GenCore version 5.1.6
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OK protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds
(Without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-3

Perfect score: 43

Sequence: 1 HGRVRPH 7

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Issued Patents AA:*

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4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	43	100.0	7	US-09-326-718-3	Sequence 3, Appli
2	35	81.4	156	US-09-252-991A-21289	Sequence 21289, A
3	35	81.4	425	US-09-252-991A-20831	Sequence 20831, A
4	34	79.1	373	US-09-252-991A-28902	Sequence 28902, A
5	34	79.1	436	US-09-252-991A-20256	Sequence 20256, A
6	34	79.1	605	US-08-190-802A-49	Sequence 49, Appli
7	34	79.1	605	US-09-063-950-5	Sequence 5, Appli
8	34	79.1	605	US-08-477-346-49	Sequence 49, Appli
9	34	79.1	605	US-08-473-089-49	Sequence 49, Appli
10	34	79.1	605	US-08-487-072A-49	Sequence 49, Appli
11	34	79.1	875	US-09-252-991A-30056	Sequence 30056, A
12	33	76.7	213	US-09-252-991A-23391	Sequence 23391, A
13	33	76.7	225	US-09-645-055-54	Sequence 54, Appli
14	33	76.7	511	US-09-252-991A-22789	Sequence 22789, A
15	32	74.4	19	US-09-122-315C-13	Sequence 13, Appli
16	32	74.4	19	US-09-360-376-1	Sequence 1, Appli
17	32	74.4	157	US-09-252-991A-25456	Sequence 25456, A
18	32	74.4	211	US-09-252-991A-2756	Sequence 2756, A
19	32	74.4	233	US-09-360-376-55	Sequence 55, Appli
20	32	74.4	222	US-09-252-991A-24088	Sequence 24088, A
21	32	74.4	282	US-09-360-376-54	Sequence 54, Appli
22	32	74.4	284	US-09-252-991A-17772	Sequence 17772, A
23	32	74.4	285	US-08-992-035A-1	Sequence 1, Appli
24	32	74.4	302	US-09-252-991A-27021	Sequence 27021, A
25	32	74.4	304	US-09-252-991A-22165	Sequence 22165, A
26	32	74.4	304	US-09-252-991A-32503	Sequence 32503, A
27	32	74.4	323	US-09-122-315C-18	Sequence 18, Appli

28	32	74.4	385	US-09-328-352-5641	Sequence 5641, Ap
29	32	74.4	418	US-09-252-991A-32677	Sequence 32677, A
30	32	74.4	464	US-09-252-991A-26212	Sequence 26212, A
31	32	74.4	589	US-09-252-991A-28836	Sequence 28836, A
32	32	74.4	661	US-09-252-991A-29083	Sequence 29083, A
33	32	74.4	739	US-09-252-991A-27761	Sequence 27761, A
34	32	74.4	782	US-09-252-991A-30464	Sequence 30464, A
35	31	72.1	97	US-09-047-125-25	Sequence 25, Appli
36	31	72.1	97	US-07-736-335E-25	Sequence 25, Appli
37	31	72.1	139	US-09-134-001C-5124	Sequence 5124, Ap
38	31	72.1	169	US-09-252-991A-24746	Sequence 24746, A
39	31	72.1	170	US-09-732-210-316	Sequence 316, App
40	31	72.1	172	US-09-732-210-317	Sequence 317, App
41	31	72.1	197	US-09-252-991A-18319	Sequence 18319, A
42	31	72.1	219	US-09-252-991A-30557	Sequence 30557, A
43	31	72.1	248	US-09-252-991A-30679	Sequence 30679, A
44	31	72.1	288	US-09-252-991A-31433	Sequence 31433, A
45	31	72.1	305	US-09-489-039A-13384	Sequence 13384, A

ALIGNMENTS

RESULT 1
US-09-326-718-3
Sequence 3, Application US/09326718
Patent No. 6303573
GENERAL INFORMATION:
APPLICANT: Ruoslantti, Erkki
APPLICANT: Mackenna, Deirdre A.
TITLE OF INVENTION: Heart Homing Peptides and Methods of
FILE REFERENCE: P-LJ 3512
CURRENT APPLICATION NUMBER: US/09/326,718
CURRENT FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic construct
US-09-326-718-3

Query Match 100.0%; Score 43; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRPH 7
DB 1 HGRVRPH 7
RESULT 2
US-09-252-991A-21289
Sequence 21289, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 21289
LENGTH: 156
TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21289

Query Match 81.4%; Score 35; DB 4; Length 156;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRP 6
DB 111 HGRVRP 116

RESULT 3

US-09-252-991A-20831
Sequence 20831, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 20831
LENGTH: 425
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20831

Query Match 81.4%; Score 35; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GVRPH 7
DB 228 GVRPH 233

RESULT 4
US-09-252-991A-28902
Sequence 28902, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 28902
LENGTH: 373
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28902

Query Match 79.1%; Score 34; DB 4; Length 373;
Best Local Similarity 83.3%; Pred. No. 31;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRP 6
DB 355 HGRVRP 360

RESULT 5
US-09-252-991A-20256
Sequence 20256, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 20256
LENGTH: 436
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20256

Query Match 79.1%; Score 34; DB 4; Length 436;
Best Local Similarity 85.7%; Pred. No. 37;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HGRVRP 7
DB 406 HGRVRP 412

RESULT 6
US-08-190-802A-49
Sequence 49, Application US/08190802A
Patent No. 3519003
GENERAL INFORMATION:
APPLICANT: Mochly-Rosen, Daria
TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Delinger & Associates
STREET: P.O. Box 60850
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306-0850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/190,802A
FILING DATE: 01-FEB-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 8600-0139
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0860
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-190-802A-49

Query Match 79.1%; Score 34; DB 1; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 7
US-09-063-950-5
Sequence 5, Application US/09063950C
Patent No. 6225085

GENERAL INFORMATION:
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL LRSG PROTEIN AND NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: MEI-019
CURRENT APPLICATION NUMBER: US/09/063,950C
CURRENT FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 5
LENGTH: 605
TYPE: PRT
ORGANISM: Papilio hamadryas
US-09-063-950-5

Query Match 79.1%; Score 34; DB 3; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 8
US-08-477-346-49
Sequence 49, Application US/08477346
Patent No. 6262023

GENERAL INFORMATION:
APPLICANT: Mochly-Rosen, Daria
TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1812

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,346
FILING DATE: 07-JUN-1995

CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,072
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: MORASHIGE, KATE H.

REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 2550-0025.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763

INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid

TOPOLOGY: unknown
MOLECULE TYPE: Protein
HYPOTHETICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-477-346-49

Query Match 79.1%; Score 34; DB 3; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 9
US-08-473-089-49
Sequence 49, Application US/08473089
Patent No. 6342368

GENERAL INFORMATION:
APPLICANT: Mochly-Rosen, Daria
TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1812

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/473,089
FILING DATE: 07-JUN-1995

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MORASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 2550-0025.22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763

INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid

TOPOLOGY: unknown
MOLECULE TYPE: Protein
HYPOTHETICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-473-089-49

Query Match 79.1%; Score 34; DB 4; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
||:||||
Db 399 GRIRPH 404

RESULT 10
US-08-487-072A-49

; Sequence 49, Application US/08487072A
; Patent No. 6423684
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: MD-40 - Derived Peptides and Uses
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/487,072A
; APPLICATION NUMBER: US/08/487,072A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 2550-0025.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; INFORMATION FOR SEQ ID NO: 49:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 605 amino acids

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: Protein

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; INDIVIDUAL ISOLATE: Insulin-like growth factor binding

; INDIVIDUAL ISOLATE: Protein complex, Fig. 32

US-08-487-072A-49

Query Match 79.1%; Score 34; DB 4; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
||:||||
Db 399 GRIRPH 404

RESULT 11

US-09-252-991A-30056

; Sequence 30056, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 30056

; LENGTH: 875

; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30056

Query Match 79.1%; Score 34; DB 4; Length 875;
Best Local Similarity 83.3%; Pred. No. 80;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
||:||||
Db 392 GRIRPH 397

RESULT 12
US-09-252-991A-23391

; Sequence 23391, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 23391

; LENGTH: 213

; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-23391

Query Match 76.7%; Score 33; DB 4; Length 213;
Best Local Similarity 71.4%; Pred. No. 27;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVRPH 7
||:||||
Db 104 HSRTRPH 110

RESULT 13

US-09-645-055-54

; Sequence 54, Application US/09645055

; Patent No. 6599701

; GENERAL INFORMATION:

; APPLICANT: Clarity Biosciences, Inc.

; APPLICANT: Honeycutt, Rhonda

; APPLICANT: McClelland, Michael

; TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING

; TITLE OF INVENTION: INTRONIC NUCLEIC ACIDS OR ENCODED PROTEINS

; FILE REFERENCE: 475402000100

; CURRENT APPLICATION NUMBER: US/09/645,055

; CURRENT FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: US 60/150,977

; PRIOR FILING DATE: 1999-08-25

; NUMBER OF SEQ ID NOS: 59

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 54

; LENGTH: 225

; TYPE: PRT

ORGANISM: *Tilletia indica*
US-09-645-055-54

Query Match 76.7%; Score 33; DB 4; Length 225;
Best Local Similarity 71.4%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

DB 9 GRVPRH 14

Search completed: March 1, 2004, 16:59:05
Job time: 10.9268 secs

OY 1 HGRVPRH 7
DB 150 NGKVRPH 156

RESULT 14

US-09-252-991A-22789
Sequence 22789, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 22789
LENGTH: 511
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-22789

Query Match 76.7%; Score 33; DB 4; Length 511;
Best Local Similarity 71.4%; Pred. No. 71;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 HGRVPRH 7
DB 231 HGLRPH 237

RESULT 15

US-09-122-315C-13
Sequence 13, Application US/09122315C
Patent No. 6476294
GENERAL INFORMATION:
APPLICANT: Michael W. Tassner
APPLICANT: Diane Ruezinsky
TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases
FILE REFERENCE: 17026/00/US
CURRENT APPLICATION NUMBER: US/09/122,315C
CURRENT FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 18
SOFTWARE: IBM PC; Windows NT 4.0; Microsoft Word for Windows 7.0a
SEQ ID NO 13
LENGTH: 19
TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: conserved region of PAP related amino acid sequence
NAME/KEY: unsure
LOCATION: (1)..(19)
OTHER INFORMATION: unsure at all Xaa locations
US-09-122-315C-13

Query Match 74.4%; Score 32; DB 4; Length 19;
Best Local Similarity 63.3%; Pred. No. 3;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 2 GRVPRH 7
DB 11111111

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582B-3

Perfect score: 43

Sequence: 1 HGRVRPH 7

Scoring table: BIOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubppa/PTCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubppa/US06_NEW_PUB.pep:*
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16: /cgn2_6/ptodata/1/pubppa/US10_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	43	100.0	7	US-09-782-650-2	Sequence 2, Appl1
2	43	100.0	7	US-09-910-582B-3	Sequence 3, Appl1
3	35	81.4	90	US-09-764-887-157	Sequence 157, App
4	35	81.4	90	US-10-073-961-157	Sequence 157, App
5	35	81.4	419	US-10-369-493-16720	Sequence 16720, A
6	34	79.1	512	US-10-369-493-16281	Sequence 16281, A
7	34	79.1	605	US-09-782-980-62	Sequence 62, Appl1
8	33	76.7	100	US-10-131-410-87	Sequence 87, Appl1
9	32	74.4	86	US-09-867-550-486	Sequence 486, App
10	32	74.4	249	US-10-369-493-17326	Sequence 17326, A
11	32	74.4	308	US-09-934-455-30	Sequence 30, Appl1
12	32	74.4	308	US-10-225-068-230	Sequence 230, App
13	32	74.4	308	US-10-374-780A-268	Sequence 268, App
14	32	74.4	318	US-10-369-493-6893	Sequence 6893, App
15	32	74.4	344	US-10-094-749-2951	Sequence 2951, App

15	32	74.4	403	9	US-09-738-625-5159	Sequence 5159, App
17	32	74.4	456	10	US-09-829-432-4	Sequence 4, Appl1
18	32	74.4	456	10	US-09-829-432-5	Sequence 5, Appl1
19	32	74.4	507	14	US-10-156-761-11305	Sequence 11305, A
20	32	74.4	701	14	US-10-156-761-8059	Sequence 8059, App
21	32	74.4	1171	14	US-10-197-666A-96	Sequence 96, Appl1
22	32	74.4	1171	16	US-10-311-034-8	Sequence 8, Appl1
23	32	74.4	1198	13	US-10-001-215-2	Sequence 21, App
24	32	74.4	1198	13	US-10-197-666A-98	Sequence 98, Appl1
25	32	74.4	1511	14	US-10-247-671-156	Sequence 156, App
26	32	74.4	1736	9	US-09-919-497-98	Sequence 98, Appl1
27	32	74.4	19695	15	US-10-084-846A-3	Sequence 3, Appl1
28	31	72.1	60	11	US-09-864-408A-1428	Sequence 1428, App
29	31	72.1	67	14	US-10-029-386-30704	Sequence 30704, A
30	31	72.1	94	15	US-10-264-049-3914	Sequence 3914, App
31	31	72.1	101	14	US-10-029-386-30763	Sequence 30763, A
32	31	72.1	108	10	US-09-764-891-4485	Sequence 4485, App
33	31	72.1	138	11	US-09-864-408A-1486	Sequence 1486, App
34	31	72.1	296	15	US-10-074-978A-212	Sequence 212, App
35	31	72.1	336	14	US-10-238-075-271	Sequence 271, App
36	31	72.1	389	15	US-10-369-493-21801	Sequence 21801, A
37	31	72.1	398	11	US-09-981-151A-74	Sequence 74, Appl1
38	31	72.1	414	9	US-09-820-893-69	Sequence 69, Appl1
39	31	72.1	457	9	US-09-888-615-110	Sequence 110, App
40	31	72.1	457	11	US-09-981-151A-71	Sequence 71, Appl1
41	31	72.1	472	11	US-09-981-151A-27	Sequence 27, Appl1
42	31	72.1	480	9	US-09-820-893-108	Sequence 108, App
43	31	72.1	536	9	US-09-864-761-36148	Sequence 36148, A
44	31	72.1	538	15	US-10-369-493-8793	Sequence 8793, App
45	31	72.1	599	15	US-10-108-260A-3964	Sequence 3964, App

ALIGNMENTS

RESULT 1
US-09-782-650-2
Sequence 2, Application US/09782650
Patent No. US2002019350A1
GENERAL INFORMATION:
APPLICANT: Levine, Arnold J.
APPLICANT: Mitterer, Artur
APPLICANT: Balkner, Falko-Guenther
APPLICANT: Scheifflinger, Friedrich
APPLICANT: Dornier, Friedrich
APPLICANT: Edwards Lifesciences Corporation
TITLE OF INVENTION: Targeted Angiogenesis
FILE REFERENCE: 20553D-00611US
CURRENT APPLICATION NUMBER: US/09/782, 650
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: US 09/324, 079
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 09/327, 045
PRIOR FILING DATE: 1999-06-07
PRIOR APPLICATION NUMBER: PCT/US00/14988
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:targeting
US-09-782-650-2

Query Match 100.0%; Score 43; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
Gy 1 HGRVRPH 7
|||||||

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Db      1 HGRVRPH 7
RESULT 2
US-09-910-582B-3
; Sequence 3, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruslanti, Erkki
; APPLICANT: Mackenna, Delore A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LI 4857
; CURRENT APPLICATION NUMBER: US/09/910, 582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326, 718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-3

Query Match      100.0%; Score 43; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 HGRVRPH 7
; |||||
Db      1 HGRVRPH 7

RESULT 3
US-09-764-887-157
; Sequence 157, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA113
; CURRENT APPLICATION NUMBER: US/09/764, 887
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: Patencin Ver. 2.0
; SEQ ID NO 157
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (16)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-887-157

Query Match      81.4%; Score 35; DB 9; Length 90;
Best Local Similarity 71.4%; Pred. No. 32;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 HGRVRPH 7
; |||||
Db      73 HGRVRPH 79

RESULT 4
US-10-073-961-157
; Sequence 157, Application US/10073961
; Publication No. US20030077602A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA113C1
; CURRENT APPLICATION NUMBER: US/10/073, 961
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/764, 887
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179, 065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180, 628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214, 886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217, 487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225, 758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220, 963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217, 496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225, 447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218, 290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225, 757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226, 868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216, 647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225, 267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216, 880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225, 270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251, 869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235, 834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234, 274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234, 223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228, 924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224, 518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226, 369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224, 519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220, 964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241, 809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249, 299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236, 327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241, 785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244, 617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225, 268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236, 368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251, 856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251, 868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229, 344
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Wed Mar 3 07:49:23 2004

Query Match	Similarity	Score	DB	Length	Indels	Gaps
Best Local	71.4%	71.4%	Pred. No. 32;			
Matches	5;	Conservative	1;	Mismatches	1;	Indels 0; Gaps 0;
QY	1 HGRVPH 7					
Db	73 HGRVPH 79					
RESULT 5	US-10-369-493-16720					
	Sequence 16720, Application US/10359433					
	Publication No. US20030233675A1					
	GENERAL INFORMATION:					
	APPLICANT: Cao, Yongwei					
	APPLICANT: Hinkle, Gregory J.					
	APPLICANT: Slater, Steven C.					
	APPLICANT: Goldman, Barry S.					
	APPLICANT: Chen, Xianfeng					
	TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF					
	TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES					
	FILE REFERENCE: 38-10(52052)B					

```

PRIORITY APPLICATION NUMBER: 60/249,245
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,244
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,217
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,211
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,215
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,264
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,214
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/249,297
PRIORITY FILING DATE: 2000-11-17
PRIORITY APPLICATION NUMBER: 60/232,400
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/231,242
PRIORITY FILING DATE: 2000-09-08
PRIORITY APPLICATION NUMBER: 60/232,081
PRIORITY FILING DATE: 2000-09-08
PRIORITY APPLICATION NUMBER: 60/232,080
PRIORITY FILING DATE: 2000-09-08
PRIORITY APPLICATION NUMBER: 60/231,414
PRIORITY FILING DATE: 2000-09-08
PRIORITY APPLICATION NUMBER: 60/231,244
PRIORITY FILING DATE: 2000-09-08
PRIORITY APPLICATION NUMBER: 60/233,064
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/233,063
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/232,397
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/232,399
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/232,401
PRIORITY FILING DATE: 2000-09-14
PRIORITY APPLICATION NUMBER: 60/241,808
PRIORITY FILING DATE: 2000-10-20
PRIORITY APPLICATION NUMBER: 60/241,826
PRIORITY FILING DATE: 2000-10-20
PRIORITY APPLICATION NUMBER: 60/241,786
PRIORITY FILING DATE: 2000-10-20
PRIORITY APPLICATION NUMBER: 60/241,221
PRIORITY FILING DATE: 2000-10-20
PRIORITY APPLICATION NUMBER: 60/246,475
PRIORITY FILING DATE: 2000-11-09
PRIORITY APPLICATION NUMBER: 60/231,243
PRIORITY FILING DATE: 2000-09-08

Query Match      81.4%; Score 35; DB 14; Length 90;
Best Local Similarity 71.4%; Pred. No. 32;
Matches      5; Conservative      1; Mismatches      1; Indels      0; Gaps      0;

OY      1 HERVRPH 7
      ||:||||
DB      73 HGTGRPH 79

RESULT 5
US-10-369-493-16720
Sequence 16720; Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
FILE REFERENCE: 38-10(52052)B

```

;; CURRENT APPLICATION NUMBER: US/10/369,493
;; CURRENT FILING DATE: 2003-02-28
;; PRIOR APPLICATION NUMBER: US 60/360,039
;; PRIOR FILING DATE: 2002-02-21
;; NUMBER OF SEQ ID NOS: 47374
;; SEQ ID NO 16720
;; LENGTH: 419
;; TYPE: PRT
;; ORGANISM: *Bacillus thuringiensis*
US-10-369-493-16720

Query Match
Best Local Similarity 81.4%; Score 35; DB 15; Length 419;
Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVPH 7
DB 151 GRVPH 156

RESULT 6
US-10-369-493-19281
;; Sequence 19281, Application US/10369493
;; Publication No. US20030233675A1
;; GENERAL INFORMATION:
;; APPLICANT: Hinkle, Yongwei
;; APPLICANT: Cao, Yongwei
;; APPLICANT: Slater, Steven C.
;; APPLICANT: Goldman, Barry S.
;; APPLICANT: Chen, Xianheng
;; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
;; FILE REFERENCE: 38-10(52052)B
;; CURRENT APPLICATION NUMBER: US/10/369,493
;; CURRENT FILING DATE: 2003-02-28
;; PRIOR APPLICATION NUMBER: US 60/360,039
;; PRIOR FILING DATE: 2002-02-21
;; NUMBER OF SEQ ID NOS: 47374
;; SEQ ID NO 19281
;; LENGTH: 512
;; TYPE: PRT
;; ORGANISM: *Myxococcus xanthus*
US-10-369-493-19281

Query Match
Best Local Similarity 79.1%; Score 34; DB 15; Length 512;
Pred. No. 2.5e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HGRVPH 7
DB 10 HGRVPH 16

RESULT 7
US-09-782-980-62
;; Sequence 62, Application US/09782980
;; Patent No. US20020072089A1
;; GENERAL INFORMATION:
;; APPLICANT: Khodadoust, Mehrian M.
;; APPLICANT: Macbeth, Kyle J.
;; APPLICANT: Busfield, Samantha J.
;; APPLICANT: McCarthy, Sean A.
;; APPLICANT: Holtzman, Douglas A.
;; APPLICANT: Gu, Wei
;; APPLICANT: White, David
;; APPLICANT: Pan, Yang
;; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND
;; TITLE OF INVENTION: SEMS PROTEIN AND NUCLEIC ACID MOLECULES AND USES
;; FILE REFERENCE: MNT-121CP
;; CURRENT APPLICATION NUMBER: US/09/782,980
;; CURRENT FILING DATE: 2001-02-13
;; PRIOR APPLICATION NUMBER: PCT/US00/02125

;; PRIOR FILING DATE: 2000-01-27
;; PRIOR APPLICATION NUMBER: 09/448,076
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: 09/276,400
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: 60/117,580
;; PRIOR FILING DATE: 1999-01-27
;; PRIOR APPLICATION NUMBER: 09/014,195
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/014,348
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/086,892
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/296,208
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: 09/063,950
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 09/561,381
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/561,810
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/087,121
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/672,721
;; PRIOR FILING DATE: 2000-09-28
;; PRIOR APPLICATION NUMBER: 09/049,799
;; PRIOR FILING DATE: 1998-03-27
;; NUMBER OF SEQ ID NOS: 176
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 62
;; LENGTH: 605
;; TYPE: PRT
;; ORGANISM: *Papilio hamadryas*
US-09-782-980-62

Query Match
Best Local Similarity 79.1%; Score 34; DB 9; Length 605;
Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVPH 7
DB 399 GRVPH 404

RESULT 8
US-10-131-410-87
;; Sequence 87, Application US/10131410
;; Publication No. US20030235915A1
;; GENERAL INFORMATION:
;; APPLICANT: SPECHT, THOMAS
;; APPLICANT: HINZMANN, BERND
;; APPLICANT: SCHMITT, ARMIN
;; APPLICANT: PILARSKY, CHRISTIAN
;; APPLICANT: DAHL, EDGAR
;; APPLICANT: ROSENTHAL, ANDRE
;; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
;; TITLE OF INVENTION: TUMORS
;; FILE REFERENCE: SCH-1763
;; CURRENT APPLICATION NUMBER: US/10/131,410
;; CURRENT FILING DATE: 2002-04-25
;; PRIOR APPLICATION NUMBER: 09/646,673
;; PRIOR FILING DATE: 2000-09-20
;; PRIOR APPLICATION NUMBER: PCT/DE99/00908
;; PRIOR FILING DATE: 1999-03-19
;; NUMBER OF SEQ ID NOS: 202
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 87
;; LENGTH: 100
;; TYPE: PRT
;; ORGANISM: *Homo sapiens*
US-10-131-410-87

Query Match
Best Local Similarity 76.7%; Score 33; DB 15; Length 100;

Best Local Similarity 71.4%; Pred. No. 82;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 77 HGRIGPH 83

RESULT 9

US-09-867-550-486
; Sequence 486, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehrabad, Peadar,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 486
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)
; OTHER INFORMATION: wherein Xaa may be any one of Arg or Ile or Lys or Thr
US-09-867-550-486

Query Match 74.4%; Score 32; DB 9; Length 86;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 34 HGRVRDH 40

RESULT 10

US-10-369-493-17326
; Sequence 17326, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 17326
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Bacillus halodurans
US-10-369-493-17326

Query Match 74.4%; Score 32; DB 15; Length 249;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRYVRPH 7
Db 10 GRYVRPH 15

RESULT 11

US-09-934-455-30
; Sequence 30, Application US/09934455
; Publication No. US20030121070A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddle, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineta, Omaira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: MBI-0022
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: MBI-0023
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-934-455-30

Query Match 74.4%; Score 32; DB 10; Length 308;
Best Local Similarity 71.4%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 127 HGVNTPH 133

RESULT 12

US-10-225-068-230
; Sequence 230, Application US/10225068
; Publication No. US20030217383A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Adam, Luc J.
; APPLICANT: Dubell, Arnold T.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pineta, Omaira
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Brown, Pierre E.
; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES IN PLANTS
; FILE REFERENCE: 514442002040
; CURRENT APPLICATION NUMBER: US/10/225,068
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09

TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (174)...(226)
OTHER INFORMATION: Conserved domain
US-10-225-068-230

Query Match
Best Local Similarity 74.4%; Score 32; DB 15; Length 308;
Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVRF 7
DB 127 HGVTFP 133

RESULT 13
US-10-374-780A-268
Sequence 268, Application US/10374780A
Publication No. US2004001927A1
GENERAL INFORMATION:
APPLICANT: Sherman, Bradley K
APPLICANT: Riechmann, Jose Luis
APPLICANT: Jiang, Cai-Zhong
APPLICANT: Heard, Jacqueline E
APPLICANT: Haake, Volker
APPLICANT: Creelman, Robert A
APPLICANT: Ratcliffe, Oliver
APPLICANT: Adam, Luc J
APPLICANT: Reuber, T. Lynne
APPLICANT: Keddie, James E
APPLICANT: Brown, Pierre E
APPLICANT: Pilgrim, Marsha L
APPLICANT: Dubell, Iit, Arnold T
APPLICANT: Pineda, Omaira
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
FILE REFERENCE: MBI-0047 CIP
CURRENT APPLICATION NUMBER: US/10/374,780A
CURRENT FILING DATE: 2003-02-25
PRIOR APPLICATION NUMBER: 09/837,944
PRIOR FILING DATE: 2001-04-18
PRIOR APPLICATION NUMBER: 60/310,847
PRIOR FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 09/934,455
PRIOR FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: 60/336,049
PRIOR FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/338,692
PRIOR FILING DATE: 2001-12-11
PRIOR APPLICATION NUMBER: 10/171,468
PRIOR FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: 10/225,066
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/225,067
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/225,068
PRIOR FILING DATE: 2002-08-09
NUMBER OF SEQ ID NOS: 2906
SOFTWARE: PatentIn version 3.2
SEQ ID NO 268
LENGTH: 308

TYPE: PRT
ORGANISM: Arabidopsis thaliana
FEATURE:
OTHER INFORMATION: G1363 (conserved domain in AA coordinates: 174-226)
US-10-374-780A-268

Query Match
Best Local Similarity 74.4%; Score 32; DB 15; Length 308;
Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVRF 7
DB 127 HGVTFP 133

RESULT 14
US-10-369-493-6893
Sequence 6893, Application US/10369493
Publication No. US2003023675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xiandeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 6893
LENGTH: 318
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-10-369-493-6893

Query Match
Best Local Similarity 83.3%; Score 32; DB 15; Length 318;
Pred. No. 3.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRF 7
DB 165 GRVRF 170

RESULT 15
US-10-094-749-2951
Sequence 2951, Application US/10094749
Publication No. US20030219741A1
GENERAL INFORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YURI
APPLICANT: OTSUKA, KAORU
APPLICANT: NAGAI, KEIICHI
APPLICANT: IRIE, RYOTARO
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: SEKI, NAOHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: NAGAHARA, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 08435/0160

; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2951
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2951

Query Match 74.4%; Score 32; DB 15; Length 344;
Best Local Similarity 71.4%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVRPH 7
Db 184 HGGARPH 190

Search completed: March 1, 2004, 17:16:44
Job time : 23.1951 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds

(without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-4

Perfect score: 29

Sequence: 1 VVLVTS 7

Scoring table: BLOSUM62

Searched: Gapop 10.0, Gapext 0.5

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents AA.*
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/prodata/2/1aa/PCUTS_COMB.pep.*
6: /cgn2_6/prodata/2/1aa/backfilest.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	100.0	7	4	US-09-326-718-4
2	27	93.1	126	4	US-09-134-001C-3766
3	26	89.7	165	4	US-09-252-991A-11768
4	25	86.2	108	4	US-09-134-001C-5256
5	25	86.2	228	4	US-09-593-887-24
6	25	86.2	247	3	US-08-961-083-170
7	25	86.2	247	4	US-09-536-784-170
8	25	86.2	361	4	US-09-252-991A-17277
9	25	86.2	469	4	US-09-252-991A-28286
10	25	86.2	543	4	US-09-252-991A-29078
11	25	86.2	554	3	US-09-321-276-4
12	25	86.2	554	3	US-08-916-481-2
13	25	86.2	563	3	US-08-916-481-3
14	25	86.2	576	4	US-09-328-352-8068
15	25	86.2	579	4	US-09-489-039A-12334
16	25	86.2	580	4	US-09-252-991A-23699
17	24	82.8	130	4	US-09-733-210-1517
18	24	82.8	130	4	US-09-489-039A-12963
19	24	82.8	158	4	US-09-198-452A-1242
20	24	82.8	165	4	US-08-858-207A-520
21	24	82.8	199	5	PCT-US93-10418-4
22	24	82.8	213	4	US-09-328-352-4680
23	24	82.8	223	4	US-09-328-352-8104
24	24	82.8	240	4	US-09-252-991A-29373
25	24	82.8	241	4	US-09-489-039A-8397
26	24	82.8	326	2	US-08-306-511A-10
27	24	82.8	326	2	US-08-893-274-10

28	24	82.8	326	3	US-08-581-918A-10	Sequence 10, Appl
29	24	82.8	326	3	US-08-346-147B-10	Sequence 10, Appl
30	24	82.8	326	4	US-08-822-936-10	Sequence 10, Appl
31	24	82.8	326	4	US-08-497-214D-10	Sequence 10, Appl
32	24	82.8	326	4	US-09-016-750C-10	Sequence 10, Appl
33	24	82.8	326	5	PCT-US95-04636-10	Sequence 10, Appl
34	24	82.8	331	1	US-08-258-188-5	Sequence 5, Appl
35	24	82.8	331	1	US-08-528-813-5	Sequence 5, Appl
36	24	82.8	331	5	PCT-US95-08554-5	Sequence 5, Appl
37	24	82.8	450	2	US-08-788-800-12	Sequence 13, Appl
38	24	82.8	469	2	US-07-934-373C-23	Sequence 23, Appl
39	24	82.8	469	3	US-08-437-642B-23	Sequence 23, Appl
40	24	82.8	469	4	US-08-146-206C-23	Sequence 23, Appl
41	24	82.8	469	4	US-09-705-686-23	Sequence 23, Appl
42	24	82.8	524	4	US-09-800-170-13	Sequence 13, Appl
43	24	82.8	532	1	US-08-140-729A-3	Sequence 3, Appl
44	24	82.8	532	1	US-08-546-666-3	Sequence 3, Appl
45	24	82.8	532	2	US-08-916-745-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-326-718-4
; Sequence 4, Application US/09326718
; Patent No. 6303573
; GENERAL INFORMATION:
; APPLICANT: Ruostelahti, Erkki
; APPLICANT: Mackenna, Desiree A.
; TITLE OF INVENTION: Heart Homing Peptides and Methods of
; FILE REFERENCE: P-1J 3512
; CURRENT APPLICATION NUMBER: US/09/326,718
; CURRENT FILING DATE: 1998-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-09-326-718-4

Query Match      100.0%; Score 29; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 VVLVTS 7
DB      1 VVLVTS 7

RESULT 2
US-09-134-001C-3766
; Sequence 3766, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3766
; LENGTH: 126
; TYPE: PRT
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ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3766

Query Match 93.1%; Score 27; DB 4; Length 126;
Best Local Similarity 71.4%; Pred. No. 1e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|
DB 115 VILITSS 121

RESULT 3
US-09-252-991A-31768

Sequence 31768, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 31768
LENGTH: 165
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31768

Query Match 89.7%; Score 26; DB 4; Length 165;
Best Local Similarity 85.7%; Pred. No. 2.2e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|
DB 133 VVLITSS 139

RESULT 4
US-09-134-001C-5256
Sequence 5256, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5256
LENGTH: 108
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5256

Query Match 86.2%; Score 25; DB 4; Length 108;
Best Local Similarity 71.4%; Pred. No. 2.3e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|
DB 14 VIVVTSS 20

RESULT 5
US-09-593-887-24

Sequence 24, Application US/09593887
Patent No. 6607914
GENERAL INFORMATION:
APPLICANT: Belyavsky, Alexander
APPLICANT: Popsueva, Anna
APPLICANT: Luchinskaya, Natalia
TITLE OF INVENTION: CAMELLO GENE FAMILY AND USES THEREOF
FILE REFERENCE: 63475/258
CURRENT FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 09/333,229
PRIOR FILING DATE: 1999-06-14
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn version 3.0
SEQ ID NO 24
LENGTH: 228
TYPE: PRT
ORGANISM: Rattus sp.
US-09-593-887-24

Query Match 86.2%; Score 25; DB 4; Length 228;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTS 6
|:|:|:|
DB 173 VVLVTS 178

RESULT 6
US-08-961-083-170

Sequence 170, Application US/08961083
Patent No. 5159469
GENERAL INFORMATION:
APPLICANT: Choi et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,083
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
LENGTH: 247 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-961-083-170

Query Match

Best Local Similarity 86.2%; Score 25; DB 3; Length 247;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
 |||||
 DB 80 VLVLTSS 86

RESULT 7

US-09-536-784-170
 ; Sequence 170, Application US/09536784
 ; Patent No. 6573082
 ; GENERAL INFORMATION:
 ; APPLICANT: Choi et. al.
 ; TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
 ; NUMBER OF SEQUENCES: 452
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: Maryland
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
 ; COMPUTER: HP Vectra 486/33
 ; OPERATING SYSTEM: MSDOS version 6.2
 ; SOFTWARE: ASCII Text
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/536,784
 ; FILING DATE: 30-Oct-1997
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/961,083
 ; FILING DATE: OCT-30-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Michelle S. Marks
 ; REGISTRATION NUMBER: 41,971
 ; REFERENCE/DOCKET NUMBER: PB340P3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (301) 309-8504
 ; TELEFAX: (301) 309-8512
 ; INFORMATION FOR SEQ ID NO: 170:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 247 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 170:
 US-09-536-784-170
 Query Match 86.2%; Score 25; DB 4; Length 247;
 Best Local Similarity 85.7%; Pred. No. 5.3e+02;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
 |||||
 DB 80 VLVLTSS 86

RESULT 8

US-09-252-991A-17277
 ; Sequence 17277, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 17277

LENGTH: 361

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-17277

Query Match 86.2%; Score 25; DB 4; Length 361;
 Best Local Similarity 71.4%; Pred. No. 7.7e+02;
 Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
 |||||
 DB 192 ILVLTSS 198

RESULT 9

US-09-252-991A-28286
 ; Sequence 28286, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO 28286
 ; LENGTH: 469
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; FEATURE:
 ; NAME/KEY: UNSURE
 ; LOCATION: (421)
 ; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
 US-09-252-991A-28286

Query Match 86.2%; Score 25; DB 4; Length 469;
 Best Local Similarity 100.0%; Pred. No. 1e+03;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VLVLTSS 7
 |||||
 DB 326 VLVLTSS 331

RESULT 10

US-09-252-991A-29078
 ; Sequence 29078, Application US/09252991A
 ; Patent No. 6551795
 ; GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A
 ; CURRENT FILING DATE: 1999-02-18
 ; PRIOR APPLICATION NUMBER: US 60/074,788
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 60/094,190
 ; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 29078
LENGTH: 543
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29078

Query Match 86.2%; Score 25; DB 4; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VLVYSS 7
Db 383 VLVYSS 388

RESULT 11
US-09-321-276-4
Sequence 4, Application US/09321276
Patent No. 6224869
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola
TITLE OF INVENTION: NOVEL RESPONSE REGULATOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
STATE: NJ
COUNTRY: USA
ZIP: 08543

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/321,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/879,531
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: GM10018
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259
TELEX:

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 554 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-321-276-4

Query Match 86.2%; Score 25; DB 3; Length 554;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVYSS 7
Db 99 VLVYSS 105

RESULT 12
US-08-916-481-2
Sequence 2, Application US/08916481
Patent No. 6270991
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola G.

TITLE OF INVENTION: NOVEL histidine kinase
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,481
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd O
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: GM10022-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222
TELEX:

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 554 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-916-481-2

Query Match 86.2%; Score 25; DB 3; Length 554;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVYSS 7
Db 99 VLVYSS 105

RESULT 13
US-08-916-481-3
Sequence 3, Application US/08916481
Patent No. 6270991
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola G.
TITLE OF INVENTION: NOVEL histidine kinase
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,481
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd O
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: GM10022-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 563 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-916-481-3

Query Match 86.2%; Score 25; DB 3; Length 563;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VVLVTS 7
Db 108 VVLVTKS 114

RESULT 14
US-09-328-352-8068
Sequence 8068, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 8068
LENGTH: 576
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-8068

Query Match 86.2%; Score 25; DB 4; Length 576;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTS 6
Db 72 VVLVTS 77

RESULT 15
US-09-489-039A-12334
Sequence 12334, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIORITY APPLICATION NUMBER: US 60/117,747
PRIORITY FILING DATE: 1998-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 12334
LENGTH: 579
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12334

Query Match 86.2%; Score 25; DB 4; Length 579;

Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTS 6
Db 75 VVLVTS 80

Search completed: March 1, 2004, 16:59:06
Job time: 11.9268 secs

Db 1 VVLVTSS 7

RESULT 2

US-09-910-582B-4
; Sequence 4, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruslaneti, Erkki
; APPLICANT: Mackenna, Deidre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-4

Query Match 100.0%; Score 29; DB 10; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e+05; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7

Db 1 VVLVTSS 7

RESULT 3

US-10-128-714-3581
; Sequence 3581, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Meng
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroskin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3581
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-10-128-714-3581

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7
Db 207 VVLVTSS 213

RESULT 4

US-10-128-714-8581
; Sequence 8581, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Meng
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroskin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8581
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-10-128-714-8581

Query Match 100.0%; Score 29; DB 14; Length 522;

Best Local Similarity 100.0%; Pred. No. 2.8e+02; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7

Db 207 VVLVTSS 213

RESULT 5

US-09-738-626-5150
; Sequence 5150, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03

NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 5150
LENGTH: 83
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-5150

Query Match
Best Local Similarity 89.7%; Score 26; DB 9; Length 83;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
DB 43 VVLVTSA 49

RESULT 6
US-10-029-386-28502
Sequence 28502, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 28502
LENGTH: 107
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR17.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 9.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.8
OTHER INFORMATION: SWISSPROT HIT: O15353, EVALUATE 7.00e-26
US-10-029-386-28502

Query Match
Best Local Similarity 89.7%; Score 26; DB 14; Length 107;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
DB 18 VVLVTSS 24

RESULT 7
US-09-738-626-5345
Sequence 5345, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
APPLICANT: HAYASHI, MIKIRO
APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOHO
APPLICANT: SENOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 5345
LENGTH: 188
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-5345

Query Match
Best Local Similarity 89.7%; Score 26; DB 9; Length 188;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
DB 16 ILLITSS 22

RESULT 8
US-10-344-440-1
Sequence 1, Application US/10344440
Publication No. US2003013178A1
GENERAL INFORMATION:
APPLICANT: Arcolan, Raffi
FILE REFERENCE: 6627-PA1093
CURRENT APPLICATION NUMBER: US/10/344,440
CURRENT FILING DATE: 2003-02-10
PRIOR APPLICATION NUMBER: 60/224,941
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: PCT/US01/41687
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 310
TYPE: PRT
ORGANISM: Homo sapiens
US-10-344-440-1

Query Match
Best Local Similarity 89.7%; Score 26; DB 14; Length 310;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
DB 60 VVLVTSS 66

RESULT 9
US-10-132-089-2
Sequence 2, Application US/10132089
Publication No. US20030166893A1
GENERAL INFORMATION:
APPLICANT: Hu, Yi
APPLICANT: Burnett, Michael
TITLE OF INVENTION: No. US20030166893A1 Human Nuclear Transporters and Polynucleot
FILE REFERENCE: LEX-0335-USA
CURRENT APPLICATION NUMBER: US/10/132,089
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 60/287,641
PRIOR FILING DATE: 2001-04-30
NUMBER OF SEQ ID NOS: 7

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 516
TYPE: PRT
ORGANISM: homo sapiens
US-10-132-089-2

Query Match 89.7%; Score 26; DB 14; Length 516;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
|||:||||
DB 289 VLVMTSS 295

RESULT 10
US-10-132-089-4
Sequence 4, Application US/10132089
Publication No. US20030166893A1
GENERAL INFORMATION:
APPLICANT: Hu, Yi
TITLE OF INVENTION: No. US20030166893A1 Human Nuclear Transporters and Polynucleot

FILE REFERENCE: LEX-0335-USA
CURRENT APPLICATION NUMBER: US/10/132,089
CURRENT FILING DATE: 2002-04-24/287,641
PRIOR APPLICATION NUMBER: US 60/287,641
PRIOR FILING DATE: 2001-04-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 532
TYPE: PRT
ORGANISM: homo sapiens
US-10-132-089-4

Query Match 89.7%; Score 26; DB 14; Length 532;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
|||:||||
DB 305 VLVMTSS 311

RESULT 11
US-10-132-089-6
Sequence 6, Application US/10132089
Publication No. US20030166893A1
GENERAL INFORMATION:
APPLICANT: Hu, Yi
TITLE OF INVENTION: No. US20030166893A1 Human Nuclear Transporters and Polynucleot

FILE REFERENCE: LEX-0335-USA
CURRENT APPLICATION NUMBER: US/10/132,089
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 60/287,641
PRIOR FILING DATE: 2001-04-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 537
TYPE: PRT
ORGANISM: homo sapiens
US-10-132-089-6

Query Match 89.7%; Score 26; DB 14; Length 537;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
|||:||||
DB 310 VLVMTSS 316

RESULT 12
US-10-116-275-175
Sequence 175, Application US/10116275
Publication No. US20030211476A1
GENERAL INFORMATION:
APPLICANT: Elian Pharmaceutical Technology
APPLICANT: O'Mahony, Daniel J.
APPLICANT: Brayden, David
APPLICANT: Byrne, Daragh
APPLICANT: Lambkin, Linda
APPLICANT: Higgins, Lisa

TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
FILE REFERENCE: E1067/20087
CURRENT APPLICATION NUMBER: US/10/116,275
CURRENT FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 349
SOFTWARE: PatentIn version 3.1
SEQ ID NO 175
LENGTH: 633
TYPE: PRT
ORGANISM: Homo sapiens
US-10-116-275-175

Query Match 89.7%; Score 26; DB 15; Length 633;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
|||:||||
DB 86 VLVMTSS 92

RESULT 13
US-10-060-230-24
Sequence 24, Application US/10060230
Publication No. US20020173014A1
GENERAL INFORMATION:
APPLICANT: HILTUNEN, Kalevo
TITLE OF INVENTION: A method to control cellular (3R)-hydroxyacyl-CoA
TITLE OF INVENTION: esters, precursor molecules for polyhydroxyalkanoate
FILE REFERENCE: 0365-0528P
CURRENT APPLICATION NUMBER: US/10/060,230
CURRENT FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: 19991667
PRIOR FILING DATE: 1999-08-03
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 24
LENGTH: 736
TYPE: PRT
ORGANISM: Homo sapiens
US-10-060-230-24

Query Match 89.7%; Score 26; DB 13; Length 736;
Best Local Similarity 85.7%; Pred. No. 1.8e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLVLTSS 7
|||:||||
DB 11 VLVMTSA 17

RESULT 14
US-10-205-219-171
Sequence 171, Application US/10205219
Publication No. US20030138803A1

GENERAL INFORMATION:
APPLICANT: Warner-Lambert Company
APPLICANT: Lee, Kevin
APPLICANT: Dixon, Alister
APPLICANT: Brooksbank, Robert
APPLICANT: Fimlock, Robert
TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
FILE REFERENCE: WL-A-018200
CURRENT APPLICATION NUMBER: US/10/205,219
PRIOR FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: GB 0118354.0
PRIOR FILING DATE: 2001-07-27
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 171
LENGTH: 871
TYPE: PRT
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: Cop32
US-10-205-219-171

Query Match 89.7%; Score 26; DB 14; Length 871;
Best Local Similarity 71.4%; Pred. No. 2.2e+03;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
Db 102 VILVTSS 108

RESULT 15
US-10-205-823-232
Sequence 232, Application US/10205823
Publication No. US20030108963A1
GENERAL INFORMATION:
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.
APPLICANT: Endege, Wilson O.
APPLICANT: Ganavarrapu, Manjula
APPLICANT: Gorbacheva, Bella
APPLICANT: Hoersch, Sebastian
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Womsey, Angela M.
APPLICANT: Glatc, Karen
APPLICANT: Zhao, Xumei
APPLICANT: Anderson, Dustin
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
FILE REFERENCE: MRI-044
CURRENT APPLICATION NUMBER: US/10/205,823
CURRENT FILING DATE: 2002-07-25
PRIOR APPLICATION NUMBER: 60/307,982
PRIOR FILING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: 60/314,356
PRIOR FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 60/325,020
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/341,746
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/362,158
PRIOR FILING DATE: 2002-03-05
NUMBER OF SEQ ID NOS: 455
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 232
LENGTH: 874
TYPE: PRT
ORGANISM: Homo sapiens
US-10-205-823-232

Query Match 89.7%; Score 26; DB 14; Length 874;
Best Local Similarity 71.4%; Pred. No. 2.2e+03;

Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 VVLVTSS 7
Db 102 VILVTSS 108

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Job time: 23.1951 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 12.4878 Seconds
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Title: US-09-910-582b-9

Perfect score: 51

Sequence: 1 CLHRGNSC 8

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Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	36	70.6	99	4	US-09-546-049-4
4	36	70.6	140	4	US-09-621-976-7010
5	35.5	69.6	72	1	US-08-280-443-4
6	35.5	69.6	72	1	US-08-457-459-4
7	35.5	69.6	72	1	US-08-555-678-4
8	35.5	69.6	72	5	PCT-US95-02275-4
9	35.5	69.6	1226	1	US-08-280-443-2
10	35.5	69.6	1226	1	US-08-457-459-2
11	35.5	69.6	1226	1	US-08-555-678-2
12	35.5	69.6	1226	5	PCT-US95-02275-2
13	35.5	68.6	3084	4	US-09-562-702A-12
14	35.5	68.6	3084	4	US-09-562-702A-8
15	35.5	68.6	3089	4	US-09-562-702A-4
16	35.5	68.6	3106	4	US-09-562-702A-10
17	35.5	68.6	3110	4	US-09-562-702A-2
18	35.5	68.6	3110	4	US-09-562-702A-6
19	35.5	68.6	3110	4	US-09-562-702A-7
20	35.5	68.6	3111	2	US-08-460-309-4
21	35.5	68.6	3111	2	US-08-125-077-4
22	34	66.7	34	3	US-08-810-009-25
23	34	66.7	34	3	US-09-776-490-25
24	34	66.7	385	4	US-09-587-754-2
25	34	66.7	386	3	US-09-058-725B-4
26	34	66.7	386	3	US-09-232-857-4
27	34	66.7	389	2	US-08-789-354-2

28	34	66.7	389	3	US-09-110-937-2	Sequence 2, Appli
29	34	66.7	389	3	US-09-058-725B-2	Sequence 2, Appli
30	34	66.7	389	3	US-09-232-857-2	Sequence 2, Appli
31	33	64.7	26	4	US-09-288-143-159	Sequence 159, App
32	33	64.7	47	4	US-09-445-774-22	Sequence 22, Appli
33	33	64.7	69	4	US-09-540-236-3160	Sequence 3160, Ap
34	33	64.7	77	3	US-09-246-500B-2	Sequence 2, Appli
35	33	64.7	91	4	US-08-311-731A-397	Sequence 397, App
36	33	64.7	303	4	US-09-564-595D-57	Sequence 57, Appli
37	33	64.7	317	4	US-09-564-595D-56	Sequence 56, Appli
38	33	64.7	345	4	US-09-040-220D-2	Sequence 2, Appli
39	33	64.7	345	4	US-09-457-066-2	Sequence 2, Appli
40	33	64.7	345	4	US-09-457-066-43	Sequence 43, Appli
41	33	64.7	345	4	US-09-265-686-2	Sequence 2, Appli
42	33	64.7	345	4	US-09-540-224-5	Sequence 5, Appli
43	33	64.7	345	4	US-09-564-595D-33	Sequence 33, Appli
44	33	64.7	345	4	US-09-564-595D-35	Sequence 35, Appli
45	33	64.7	345	4	US-09-706-968-2	Sequence 2, Appli

ALIGNMENTS

```

RESULT 1
US-09-326-718-9
; Sequence 9, Application US/09326718
; Patent No. 6303573
; GENERAL INFORMATION:
; APPLICANT: Ruselanti, Erkki
; TITLE OF INVENTION: Heart Homing Peptides and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-IJ 3512
; CURRENT APPLICATION NUMBER: US/09/326,718
; CURRENT FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-326-718-9

Query Match      100.0%; Score 51; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CLHRGNSC 8
DB      1 CLHRGNSC 8

RESULT 2
US-08-985-950-4
; Sequence 4, Application US/08985950
; Patent No. 6140076
; GENERAL INFORMATION:
; APPLICANT: Aelma, Gosse Jan
; TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes;
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESS: DNA Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/041,279
FILING DATE: 21-MARCH-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-985-950-4

Query Match 70.6%; Score 36; DB 3; Length 99;
Best Local Similarity 85.7%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CLHRGNS 7
Db 12 CLHRGNS 18

RESULT 3
US-09-546-049-4
Sequence 4, Application US/09546049
Patent No. 6479638
GENERAL INFORMATION:
APPLICANT: Adema, Gosse Jan
Meyard, Linde
Gorman, Daniel M.
McClanahan, Terrill K.
Zurawski, Gerard
Lanier, Lewis L.
Phillips Jr., Joseph H.
TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes;
Related Reagents
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/546,049
FILING DATE: 10-Apr-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: US 60/041,279

FILING DATE: 21-MARCH-1997
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-546-049-4

Query Match 70.6%; Score 36; DB 4; Length 99;
Best Local Similarity 85.7%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CLHRGNS 7
Db 12 CLHRGNS 18

RESULT 4
US-09-621-976-7010
Sequence 4, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 7010
LENGTH: 140
TYPE: PRT
ORGANISM: Homo sapiens
US-09-621-976-7010

Query Match 70.6%; Score 36; DB 4; Length 140;
Best Local Similarity 71.4%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LHRGNSC 8
Db 51 VHRGNTC 57

RESULT 5
US-08-280-443-4
Sequence 4, Application US/08280443
Patent No. 5643778
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania

COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/280,443
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49AUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-280-443-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 10 CMHKGNSC 18

RESULT 6
US-08-457-459-4
Sequence 4, Application US/08457459
Patent No. 5677428
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSER: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,459
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49CUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-457-459-4

TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-457-459-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 10 CMHKGNSC 18

RESULT 7
US-08-555-678-4
Sequence 4, Application US/08555678
Patent No. 5763174
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSER: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,459
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49DUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-555-678-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 10 CMHRLGNSC 18

RESULT 8
PCT-US95-02275-4
Sequence 4, Application PC/TUS9502275

GENERAL INFORMATION:
APPLICANT: Wistar Institute of Anatomy & Biology
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02275

FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49BPCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-02275-4

Query Match 69.6%; Score 35.5; DB 5; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 10 CMHRLGNSC 18

RESULT 9
US-08-280-443-2
Sequence 2, Application US/08280443

GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457

CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/280,443

FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994

ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49AUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-280-443-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 622 CMHRLGNSC 630

RESULT 10
US-08-457-459-2
Sequence 2, Application US/08457459

GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,459

FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49CUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-457-459-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 622 CMKLGNSC 630

RESULT 11
US-08-555-678-2
Sequence 2, Application US/08555678
Patent No. 5763174
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,459
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49DUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-678-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;

Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
QY 1 CLHR-GNSC 8
Db 622 CMKLGNSC 630

RESULT 12
PCT-US95-02275-2
Sequence 2, Application PC/TUS9502275
GENERAL INFORMATION:
APPLICANT: Wistar Institute of Anatomy & Biology
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02275
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49BPCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-02275-2

Query Match 69.6%; Score 35.5; DB 5; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 622 CMKLGNSC 630

RESULT 13
US-09-562-702A-12
Sequence 12, Application US/09562702A
Patent No. 6632790
GENERAL INFORMATION:
APPLICANT: Vurchenco, Peter
TITLE OF INVENTION: laminin 2 and Methods for its Use
FILE REFERENCE: 99-274-B
CURRENT APPLICATION NUMBER: US/09/562,702A
CURRENT FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/155,945
PRIOR FILING DATE: 1999-09-24

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; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 3084
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-562-702A-12

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Query Match      68.6%; Score 35; DB 4; Length 3084;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      990 CSHLGNNC 997

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RESULT 14
US-09-562-702A-8
; Sequence 8, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 8
; LENGTH: 3088
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-8

```

```

Query Match      68.6%; Score 35; DB 4; Length 3088;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      994 CSHLGNNC 1001

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RESULT 15
US-09-562-702A-4
; Sequence 4, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198

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; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 3089
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-4

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Query Match      68.6%; Score 35; DB 4; Length 3089;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      994 CSHLGNNC 1001

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Search completed: March 1, 2004, 16:59:07
Job time : 13.4878 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 25.3659 Seconds
(without alignments)

66.594 Million cell updates/sec

Title: US-09-910-582B-9

Perfect score: 51

Sequence: 1 CLHRGNSC 8

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications_AA:*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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16: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	51	100.0	8	9	US-09-782-650-4
2	51	100.0	8	10	US-09-910-582B-9
3	39	76.5	631	15	US-10-374-780A-2472
4	36	70.6	51	11	US-09-864-408A-7734
5	36	70.6	99	14	US-10-280-631-4
6	36	70.6	224	10	US-09-866-050A-711
7	36	70.6	4599	16	US-10-464-368-69
8	36	70.6	4599	16	US-10-464-368-70
9	36	70.6	4536	9	US-09-835-996A-33
10	35.5	69.6	1225	14	US-10-233-553-20
11	35	68.6	57	14	US-10-039-386-29499
12	35	68.6	555	10	US-09-927-827-49
13	35	68.6	920	9	US-09-934-868-52
14	35	68.6	1354	9	US-09-808-571A-4
15	35	68.6	1447	9	US-09-808-571A-2

16	35	68.6	1905	14	US-10-270-333-9	Sequence 9, Appli
17	35	68.6	3070	10	US-09-961-403-7	Sequence 7, Appli
18	34	66.7	34	9	US-09-776-490-25	Sequence 25, Appl
19	34	66.7	34	9	US-09-776-491-25	Sequence 25, Appl
20	34	66.7	389	14	US-10-325-567A-538	Sequence 538, App
21	34	66.7	389	14	US-10-320-683-4	Sequence 4, Appl
22	33	64.7	26	11	US-09-884-423-159	Sequence 159, App
23	33	64.7	26	14	US-10-150-111-159	Sequence 159, App
24	33	64.7	28	9	US-09-864-761-39799	Sequence 39799, A
25	33	64.7	37	9	US-09-894-882-223	Sequence 23, App
26	33	64.7	37	9	US-09-894-882-387	Sequence 387, App
27	33	64.7	46	9	US-09-864-761-44167	Sequence 44167, A
28	33	64.7	73	9	US-09-884-882-222	Sequence 222, App
29	33	64.7	88	13	US-10-086-623-11	Sequence 11, Appl
30	33	64.7	88	14	US-10-260-539-11	Sequence 11, Appl
31	33	64.7	121	15	US-10-108-260A-4187	Sequence 4187, Ap
32	33	64.7	182	9	US-09-852-209A-16	Sequence 16, Appl
33	33	64.7	182	9	US-09-852-209A-17	Sequence 17, Appl
34	33	64.7	182	14	US-10-131-600-16	Sequence 16, Appl
35	33	64.7	182	14	US-10-131-600-17	Sequence 17, Appl
36	33	64.7	245	15	US-10-374-780A-2294	Sequence 2294, Ap
37	33	64.7	257	14	US-10-203-708-42	Sequence 42, Appl
38	33	64.7	303	11	US-09-876-813-57	Sequence 57, Appl
39	33	64.7	317	11	US-09-876-813-56	Sequence 56, Appl
40	33	64.7	318	9	US-09-852-209A-5	Sequence 5, Appli
41	33	64.7	318	14	US-10-131-600-5	Sequence 5, Appli
42	33	64.7	339	9	US-09-925-302-776	Sequence 776, App
43	33	64.7	345	9	US-09-823-033-2	Sequence 2, Appli
44	33	64.7	345	9	US-09-823-033-4	Sequence 4, Appli
45	33	64.7	345	9	US-09-818-943-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-782-650-4
Sequence 4, Application US/09782650
Patent No. US20020019350A1
GENERAL INFORMATION:
APPLICANT: Levine, Arnold J.
APPLICANT: Mitterer, Artur
APPLICANT: Falkner, Falko-Quenter
APPLICANT: Scheiflinger, Friedrich
APPLICANT: Dornier, Friedrich
APPLICANT: Edwards Lifesciences Corporation
TITLE OF INVENTION: Targeted Angiogenesis
FILE REFERENCE: 20552D-000611US
CURRENT APPLICATION NUMBER: US/09/782,650
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: US 09/324,079
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 09/327,045
PRIOR FILING DATE: 1999-06-07
PRIOR APPLICATION NUMBER: PCT/US00/14988
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:targeting
US-09-782-650-4

Query Match 100.0%; Score 51; DB 9; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CLHRGNSC 8
|||||||

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Db      1 CLHRGNSC 8

RESULT 2
US-09-910-582B-9
; Sequence 9, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Mackenna, Deirdre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-09-910-582B-9

Query Match      100.0%; Score 51; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches      8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CLHRGNSC 8
Db      1 CLHRGNSC 8

RESULT 3
US-10-374-780A-2472
; Sequence 2472, Application US/10374780A
; Publication No. US2004001927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Biron, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaisra
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: WI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/117,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; SOFTWARE: Patent version 3.2
; SEQ ID NO 2472
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G958
US-10-374-780A-2472

Query Match      76.5%; Score 39; DB 15; Length 631;
Best Local Similarity 85.7%; Pred. No. 1e+02;
Matches      6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 CLHRGNS 7
Db      547 CVHRGNS 553

RESULT 4
US-09-864-408A-7734
; Sequence 7734, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides En
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7734
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-7734

Query Match      70.6%; Score 36; DB 11; Length 51;
Best Local Similarity 62.5%; Pred. No. 33;
Matches      5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      1 CLHRGNSC 8
Db      24 CVHRGFC 31

RESULT 5
US-10-280-631-4
; Sequence 4, Application US/10290631
; Publication No. US20030105303A1
; GENERAL INFORMATION:
; APPLICANT: Adema, Goese Jan
; APPLICANT: Meynard, Linde
; APPLICANT: Gorman, Daniel M.
; APPLICANT: McClanahan, Terrill K.
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Zurawski, Gerard
; APPLICANT: Lanier, Lewis L.
; APPLICANT: Phillips Jr., Joseph H.
; TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes,
; RELATED REAGENTS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSER: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
```

```
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/10/290,631
APPLICATION NUMBER: US/10/290,631
FILING DATE: 08-NOV-2003
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: US 60/041,279
FILING DATE: 21-MARCH-1997
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670X
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-290-631-4

Query Match
Best Local Similarity 70.6%; Score 36; DB 14; Length 99;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 12 CILRGNS 18

RESULT 6
US-09-866-050A-711
; Sequence 711, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions isolated from skin cells
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 711
; LENGTH: 224
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-711

Query Match
Best Local Similarity 70.6%; Score 36; DB 10; Length 224;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 CILRGNS 7
DB 25 CILRGNS 31

RESULT 7
US-10-464-368-69
; Sequence 69, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Elites, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent version 3.2
; SEQ ID NO 69
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-69

Query Match
Best Local Similarity 70.6%; Score 36; DB 16; Length 4599;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 2158 CILRGNS 2164

RESULT 8
US-10-464-368-70
; Sequence 70, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Elites, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent version 3.2
; SEQ ID NO 70
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-70

Query Match
Best Local Similarity 70.6%; Score 36; DB 16; Length 4599;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 2158 CILRGNS 2164

RESULT 9
US-09-835-996A-33
; Sequence 33, Application US/09835996A
; Patent No. US20020142953A1
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis
; APPLICANT: Loeb, Debra
```


APPLICANT: Montgomery, Julie
APPLICANT: Tang, Y. Tom
APPLICANT: Zhou, Ping
APPLICANT: Goodrich, Ryle
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhao, Qing
APPLICANT: Wehman, Tom
APPLICANT: Dmanac, Radoje
APPLICANT: Ren, Feiyan
APPLICANT: Qian, Xiahong
APPLICANT: Wang, Duntui
TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM
FILE REFERENCE: 28110/35915A
CURRENT APPLICATION NUMBER: US/09/835,996A
CURRENT FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: US 60/197,137
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: US 09/714,936
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: US 09/667,298
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US 09/631,451
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 09/598,042
PRIOR FILING DATE: 2000-06-20
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.0
SEQ ID NO 33
LENGTH: 4636
TYPE: PRT
ORGANISM: Homo sapiens
US-09-835-996A-33

Query Match 70.6%; Score 36; DB 9; Length 4636;
Best Local Similarity 85.7%; Pred. No. 2.1e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CLHRGNS 7
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Db 2195 CLYRGNS 2201

RESULT 10
US-10-233-553-20
Sequence 20, Application US/10233553
Publication No. US20030125285A1
GENERAL INFORMATION:
APPLICANT: NIPPON SHINYAKU CO., LTD.
APPLICANT: HIRABAYASHI, Kazuko
APPLICANT: YANO, Junichi
TITLE OF INVENTION: Method of examining the efficacy of therapy with nucleic acid
FILE REFERENCE: B-345
CURRENT APPLICATION NUMBER: US/10/233,553
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: JP 2001-267385
PRIOR FILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 31
SEQ ID NO 20
LENGTH: 1225
TYPE: PRT
ORGANISM: Homo sapiens
US-10-233-553-20

Query Match 69.6%; Score 35.5; DB 14; Length 1225;
Best Local Similarity 66.7%; Pred. No. 7.4e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
||:||||
Db 621 CMKLGNSC 629

RESULT 11
US-10-029-386-29499
Sequence 29499, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anhemax Sequence Listing Engine vers. 1.1
SEQ ID NO 29499
LENGTH: 57
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR7.1
OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 6.6
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8.8
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 8.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 13
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 7.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.2
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8.1
OTHER INFORMATION: SWISSPROT HIT: P45844, EVALU8 4.70e+00
US-10-029-386-29499

Query Match 68.6%; Score 35; DB 14; Length 57;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CLHRGNSC 8
||:||||
Db 41 CLYRGSMC 48

RESULT 12
US-09-927-827-49
Sequence 49, Application US/09927827
Publication No. US20030036176A1
GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Ramseler, Thomas M.
TITLE OF INVENTION: Directed Genetic Engineering of Xanthomonas campestris
FILE REFERENCE: 38-10(15824)B
CURRENT APPLICATION NUMBER: US/09/927,827
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: US 60/279,493
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 69
SEQ ID NO 49
LENGTH: 555
TYPE: PRT
ORGANISM: Xanthomonas campestris
US-09-927-827-49

Query Match 68.6%; Score 35; DB 10; Length 555;
Best Local Similarity 85.7%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 LHRGNSC 8
||:||||
Db 350 LHRGNSC 356

RESULT 13
US-09-934-868-52
Sequence 52, Application US/09934868

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; Patent No. US20020137190A1
; GENERAL INFORMATION:
; APPLICANT: Kofias, Matheos
; APPLICANT: Odom, James M
; TITLE OF INVENTION: DENITRIFYING METHANOTROPHIC BACTERIAL STRAIN
; FILE REFERENCE: CL1596 US NA
; CURRENT APPLICATION NUMBER: US/09/934,868
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/229,858
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 52
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Methylobionas 16a
; FEATURE:
; OTHER INFORMATION: Nasa
; US-09-934-868-52

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Query Match      68.6%; Score 35; DB 9; Length 920;
Best Local Similarity 62.5%; Pred. NO. 7e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||
Db      869 CLHAGTGC 876

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RESULT 14
US-09-808-571A-4
; Sequence 4, Application US/09808571A
; Patent No. US20020106723A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptor for Iactrotoxin from insects
; FILE REFERENCE: Le A 34 402
; CURRENT APPLICATION NUMBER: US/09/808,571A
; CURRENT FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: DE 100 13 580.3
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1354
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-808-571A-4

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Query Match      68.6%; Score 35; DB 9; Length 1354;
Best Local Similarity 62.5%; Pred. NO. 9.9e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||
Db      402 CLHNSSC 409

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RESULT 15
US-09-808-571A-2
; Sequence 2, Application US/09808571A
; Patent No. US20020106723A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptor for Iactrotoxin from insects
; FILE REFERENCE: Le A 34 402
; CURRENT APPLICATION NUMBER: US/09/808,571A
; CURRENT FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: DE 100 13 580.3
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 2
; LENGTH: 1447
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-808-571A-2

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Query Match      68.6%; Score 35; DB 9; Length 1447;
Best Local Similarity 62.5%; Pred. NO. 1.1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||
Db      403 CLHNSSC 410

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Search completed: March 1, 2004, 17:16:46
Job time : 26.3659 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 18.7317 Seconds
(Without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-10

Perfect score: 74

Sequence: 1 CRSMKADNRSC 12

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:*
1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfltest1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	12	4	US-09-326-718-10
2	46	62.2	202	4	US-09-252-991A-27017
3	42	56.8	112	1	US-07-942-245-6
4	41	55.4	107	6	5242821-7
5	39	52.7	50	1	US-08-656-318A-2
6	39	52.7	50	2	US-08-956-459-2
7	39	52.7	50	4	US-09-077-948A-57
8	38	51.4	18	5	PCR-US94-01234-33
9	38	51.4	49	1	US-08-377-687-15
10	38	51.4	49	1	US-08-377-687-15
11	38	51.4	49	1	US-08-656-318A-7
12	38	51.4	49	2	US-08-777-192-15
13	38	51.4	49	2	US-08-777-192-15
14	38	51.4	49	2	US-08-956-459-2
15	38	51.4	49	3	US-08-971-982-15
16	38	51.4	49	3	US-08-971-982-15
17	38	51.4	140	4	US-09-252-991A-25759
18	38	51.4	558	4	US-09-199-637A-277
19	38	51.4	578	4	US-08-415-593-43
20	37	50.0	18	5	PCR-US94-01234-35
21	37	50.0	138	4	US-09-252-991A-25868
22	37	50.0	192	3	US-09-475-316A-25
23	37	50.0	192	3	US-09-475-316A-25
24	37	50.0	192	4	US-09-704-640-25
25	37	50.0	192	4	US-09-704-640-25
26	37	50.0	299	4	US-09-252-991A-24215
27	37	50.0	417	4	US-09-252-991A-24932

28	37	50.0	493	4	US-09-112-438A-2	Sequence 2, Appli
29	37	50.0	907	4	US-09-170-496D-264	Sequence 264, App
30	37	50.0	907	4	US-09-170-496D-278	Sequence 278, App
31	37	50.0	1182	4	US-09-287-354-6	Sequence 6, Appli
32	36.5	49.3	153	4	US-09-252-991A-30407	Sequence 30407, A
33	36.5	49.3	177	4	US-09-252-991A-28186	Sequence 28186, A
34	36	48.6	72	4	US-09-134-000C-6589	Sequence 6589, Ap
35	36	48.6	161	4	US-09-252-991A-16833	Sequence 16833, A
36	36	48.6	175	4	US-09-252-991A-30331	Sequence 30331, A
37	36	48.6	276	4	US-09-252-991A-18128	Sequence 18128, A
38	36	48.6	405	4	US-09-252-991A-25946	Sequence 25946, A
39	36	48.6	420	4	US-09-328-352-7296	Sequence 7296, Ap
40	36	48.6	534	4	US-09-252-991A-32086	Sequence 32086, A
41	36	48.6	589	4	US-09-252-991A-32979	Sequence 32979, A
42	36	48.6	1276	3	US-08-937-236-3	Sequence 3, Appli
43	36	48.6	1277	3	US-08-937-236-6	Sequence 6, Appli
44	36	48.6	1291	3	US-08-569-214-3	Sequence 3, Appli
45	36	48.6	1291	3	US-08-937-236-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-326-718-10
Sequence 10, Application US/09326718
Patent No. 6303573
GENERAL INFORMATION:
APPLICANT: Kuosiantti, Erkki
APPLICANT: Mackenna, Deldre A.
TITLE OF INVENTION: Heart Homing Peptides and Methods of
FILE REFERENCE: P-1/3512
CURRENT APPLICATION NUMBER: US/09/326,718
CURRENT FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 12
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: Artificial Sequence
OTHER INFORMATION: synthetic construct
US-09-326-718-10

Query Match 100.0%; Score 74; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CRSMKADNRSC 12
DB 1 CRSMKADNRSC 12
RESULT 2
US-09-252-991A-27017
Sequence 27017, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marx J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 27017
LENGTH: 202
TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27017

Query Match 62.2%; Score 46; DB 4; Length 202;
Best Local Similarity 58.3%; Pred. No. 6.7;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 CRSMNKADNESC 12
|||||:
Db 128 CRSMNKASSTAC 139

RESULT 3
US-07-942-245-6
Sequence 6, Application US/07942245
Patent No. 5639641

GENERAL INFORMATION:
APPLICANT: PEDERSEN, Jan T.
APPLICANT: SEARLE, Stephen M. J.
APPLICANT: REES, Anthony R.
APPLICANT: ROGUSKA, Michael A.
APPLICANT: GUILD, Brydon C.
TITLE OF INVENTION: SURFACE RESIDUE VENERING OF RODENT
NUMBER OF SEQUENCES: 522
TITLE OF INVENTION: ANTIBODIES
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrie, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: HP 9000/700 Workstation
OPERATING SYSTEM: UNIX
SOFTWARE: In house
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/942,245
FILING DATE: 09-SEP-1992
CLASSIFICATION: 530
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide

Query Match 56.8%; Score 42; DB 1; Length 112;
Best Local Similarity 66.7%; Pred. No. 15;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 CRSMNKADN 9
|||||:
Db 89 CASWMSDN 97

RESULT 4
5242821-7

PATENT NO. 5242821
APPLICANT: PALVA, LIKA, SIHAKOV, MERVI
TITLE OF INVENTION: LACTOCOCCUS PROMOTER AND SIGNAL
SEQUENCES FOR EXPRESSION IN BACTERIA
NUMBER OF SEQUENCES: 27
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/377,450
FILING DATE: 10-JUL-1989
SEQ ID NO: 7;

LENGTH: 107
5242821-7

Query Match 55.4%; Score 41; DB 6; Length 107;
Best Local Similarity 70.0%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 RSMNKADNRS 11
|||||:
Db 86 RSMWDSNRS 95

RESULT 5
US-08-656-318A-2
Sequence 2, Application US/08656318A
Patent No. 5750504

GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P. A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
ADDRESSEE: Intellectual Property Group of
ADDRESSEE: EILSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,318A
FILING DATE: 12-JUN-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KOKUTIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 224199/SEE37925/UST
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3075
TELEFAX: (202) 822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Ab-AMP1

US-08-656-318A-2

Query Match 52.7%; Score 39; DB 1; Length 50;
Best Local Similarity 41.7%; Pred. No. 20;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMNKADNESC 12
|||||:
Db 24 CQWEXASHGAC 35

RESULT 6
US-08-956-459-2
Sequence 2, Application US/08956459
Patent No. 5919918
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,459
FILING DATE: 22-OCT-1996
CLASSIFICATION: 800
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 08/656,318
FILING DATE: 12-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Ah-AWPI
US-08-956-459-2
Query Match
Best Local Similarity 52.7%; Score 39; DB 2; Length 50;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 CRSMKADNRSC 12
DB 24 CQWEKASHGAC 35

RESULT 7
US-09-077-948A-57
Sequence 57, Application US/09077948A
Patent No. 6605698
GENERAL INFORMATION:
APPLICANT: Van Amerongen, Aart
APPLICANT: Rant, Franky
APPLICANT: Borremans, Frans
APPLICANT: De Samblaux, Genevieve
APPLICANT: Sijtsma, Lolke
APPLICANT: Meloen, Robbert
APPLICANT: Puljk, Wouter
APPLICANT: Schaper, Wilhelmus
APPLICANT: Broekaert, Willem
APPLICANT: Van Gelder, Wilhelmus
APPLICANT: Rees, Sarah

TITLE OF INVENTION: Antifungal Proteins
FILE REFERENCE: 109846-257 (SYN-035)
CURRENT APPLICATION NUMBER: US/09/077,948A
CURRENT FILING DATE: 1998-08-07
PRIOR APPLICATION NUMBER: PCT/GB96/03068
PRIOR FILING DATE: 1996-12-12
PRIOR APPLICATION NUMBER: GB 9606552.9
PRIOR FILING DATE: 1996-03-28
PRIOR APPLICATION NUMBER: GB 9525455.3
PRIOR FILING DATE: 1995-12-13
NUMBER OF SEQ ID NOS: 141
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 57
TYPE: PRT
LENGTH: 50
ORGANISM: Aesculus hippocastanum
US-09-077-948A-57
Query Match
Best Local Similarity 52.7%; Score 39; DB 4; Length 50;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 CRSMKADNRSC 12
DB 24 CQWEKASHGAC 35

RESULT 8
PCT-US94-01234-33
Sequence 33, Application PC/TUS9401234
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE
TITLE OF INVENTION: BINDING SITES
NUMBER OF SEQUENCES: 76
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01234
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/084,542
FILING DATE: 28-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/012,566
FILING DATE: 02-FEB-1993
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
PCT-US94-01234-33
Query Match
Best Local Similarity 51.4%; Score 38; DB 5; Length 18;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
QY 3 SMNKADNRSC 12
DB 4 SFGADNRNC 13

RESULT 9
US-08-377-687-15
Sequence 15, Application US/08377687
Patent No. 5538525
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEIDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/377,687
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-377-687-15

Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CSMNKAQNRSC 12
Db 24 CRMWESAKHGAC 35

RESULT 10
US-08-377-687-24
Sequence 24, Application US/08377687
Patent No. 5538525
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEIDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/377,687
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-377-687-24

Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CSMNKAQNRSC 12
Db 24 CRMWESAKHGAC 35

RESULT 11
US-08-656-318A-7
Sequence 7, Application US/08656318A
Patent No. 5750504
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
ADDRESSEE: Intellectual Property Group of
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,318A
FILING DATE: 12-JUN-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 224199/SEE37925/UST

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3075
TELEFAX: (202) 822-0944
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: CD-AMPI
US-08-656-318A-7

Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CSMNKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 12
US-08-777-192-15
Sequence 15, Application US/08777192
Patent No. 5824869
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/777,192
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-777-192-15

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CSMNKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 13
US-08-777-192-24
Sequence 24, Application US/08777192
Patent No. 5824869
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/777,192
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-777-192-24

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CSMNKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 14
US-08-956-459-7
Sequence 7, Application US/08956459
Patent No. 5919918
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,459
FILING DATE: 22-OCT-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/656,318
FILING DATE: 12-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Cb-AMPI
US-08-956-459-7

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMKADNRSC 12
||:|:|:|:
DB 24 CRWESAKHGAC 35

RESULT 15
US-08-971-982-15
Sequence 15, Application US/08971982
Patent No. 6187904
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
CAMME, BRUNO F.A.
OSBORN, RUPERT W.
REES, SARAH B.
TERRAS, FRANKY R.G.
VANDERLEIJDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/971,982
FILING DATE: 17-NOV-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE 36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-971-982-15

Query Match 51.4%; Score 38; DB 3; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMKADNRSC 12
||:|:|:|:
DB 24 CRWESAKHGAC 35

Search completed: March 1, 2004, 16:59:08
Job time: 19.7317 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 38.0488 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582b-10

Perfect score: 74

Sequence: 1 CRSMKADNRSC 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	12	9 US-09-782-650-5	Sequence 5, App1
2	74	100.0	12	10 US-09-910-582b-10	Sequence 10, App1
3	46	62.2	101	11 US-09-864-408A-3022	Sequence 3022, App
4	41	55.4	51	14 US-10-178-449A-35	Sequence 35, App1
5	41	55.4	75	14 US-10-178-449A-37	Sequence 37, App1
6	41	55.4	110	14 US-10-178-449A-8	Sequence 8, App1
7	41	55.4	110	14 US-10-178-449A-30	Sequence 30, App1
8	41	55.4	170	14 US-10-101-464A-769	Sequence 769, App1
9	41	55.4	236	14 US-10-002-631C-28	Sequence 28, App1
10	41	55.4	262	14 US-10-080-170-459	Sequence 459, App
11	41	55.4	998	14 US-10-101-464A-931	Sequence 931, App
12	41	55.4	1063	14 US-10-017-161-1624	Sequence 1624, App
13	41	55.4	1063	14 US-10-293-798-1296	Sequence 1296, App
14	40	54.1	497	15 US-10-363-493-6945	Sequence 6945, App
15	39	52.7	49	14 US-10-178-449A-6	Sequence 6, App1

16	39	52.7	50	15	US-10-072-809A-45	Sequence 45, App1
17	39	52.7	144	14	US-10-101-464A-789	Sequence 789, App
18	39	52.7	547	14	US-10-101-464A-928	Sequence 928, App
19	38	51.4	15	10	US-09-910-009A-445	Sequence 445, App
20	38	51.4	16	10	US-09-910-009A-415	Sequence 415, App
21	38	51.4	49	9	US-09-759-584-15	Sequence 15, App1
22	38	51.4	49	9	US-09-759-584-24	Sequence 24, App1
23	38	51.4	49	9	US-09-917-340-60	Sequence 60, App1
24	38	51.4	49	15	US-10-072-809A-49	Sequence 49, App1
25	38	51.4	70	10	US-09-910-009A-228	Sequence 228, App
26	38	51.4	71	10	US-09-910-009A-111	Sequence 111, App
27	38	51.4	245	9	US-09-864-761-33581	Sequence 33581, A
28	38	51.4	245	14	US-10-029-386-33385	Sequence 33385, A
29	38	51.4	526	15	US-10-152-448-6	Sequence 6, App1
30	38	51.4	527	15	US-10-369-493-5213	Sequence 5213, App
31	38	51.4	558	10	US-09-975-719-277	Sequence 277, App
32	37	50.0	165	13	US-10-001-054-44	Sequence 44, App1
33	37	50.0	165	14	US-10-227-884-230	Sequence 230, App
34	37	50.0	165	14	US-10-230-163-230	Sequence 230, App
35	37	50.0	165	14	US-10-230-338-230	Sequence 230, App
36	37	50.0	165	14	US-10-218-631-230	Sequence 230, App
37	37	50.0	165	14	US-10-230-414-230	Sequence 230, App
38	37	50.0	165	14	US-10-216-159A-230	Sequence 230, App
39	37	50.0	165	14	US-10-218-849-230	Sequence 230, App
40	37	50.0	165	14	US-10-227-873-230	Sequence 230, App
41	37	50.0	165	14	US-10-227-883-230	Sequence 230, App
42	37	50.0	165	14	US-10-219-076-230	Sequence 230, App
43	37	50.0	165	14	US-10-230-434-230	Sequence 230, App
44	37	50.0	165	14	US-10-219-003-230	Sequence 230, App
45	37	50.0	165	14	US-10-219-075-230	Sequence 230, App

ALIGNMENTS

RESULT 1
US-09-782-650-5
; Sequence 5, Application US/09782650
; Patent No. US20020019350A1
; GENERAL INFORMATION:
; APPLICANT: Levine, Arnold J.
; APPLICANT: Mitterer, Arthur
; APPLICANT: Falkner, Falco-Guenter
; APPLICANT: Schellinger, Friedrich
; APPLICANT: Dornier, Friedrich
; APPLICANT: Edwards Lifesciences Corporation
; TITLE OF INVENTION: Targeted Angiogenesis
; FILE REFERENCE: 20563D-000611US
; CURRENT APPLICATION NUMBER: US/09/782,650
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: US 09/324,079
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 09/327,045
; PRIOR FILING DATE: 1999-06-07
; PRIOR APPLICATION NUMBER: PCT/US00/14988
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:targeting
; OTHER INFORMATION: molecule
; US-09-782-650-5

Query Match 100.0%; Score 74; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 12; Conservative 0; Mismatches 0; Gaps 0;

QY 1 CRSMKADNRSC 12
|||||

DB 1 CRSMWKADNRSC 12

RESULT 2

US-09-910-582B-10
; Sequence 10, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Rucelabhi, Erkki
; APPLICANT: Mackenna, Deidre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-10

Query Match 100.0%; Score 74; DB 10; Length 12;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 1 CRSMWKADNRSC 12

RESULT 3

US-09-864-408A-3022
; Sequence 3022, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shmukets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Encc
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3022
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-3022

Query Match 62.2%; Score 46; DB 11; Length 101;
Best Local Similarity 63.6%; Pred. No. 7.6;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 11
DB 23 CEANWKSNRS 33

RESULT 4

US-10-178-449A-35
; Sequence 35, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.

APPLICANT: McCutchen, Billy Fred

APPLICANT: Miao, Guo-Hua

APPLICANT: Presnail, James K.

APPLICANT: Rafalski, Jan antoni

APPLICANT: Weng, Zude

TITLE OF INVENTION: Plant Defensins

FILE REFERENCE: 35718/249123

CURRENT APPLICATION NUMBER: US/10/178,449A

CURRENT FILING DATE: 2002-06-21

PRIOR APPLICATION NUMBER: US 10/030,516

PRIOR FILING DATE: 2000-05-03

PRIOR APPLICATION NUMBER: PCT/US00/11952

PRIOR FILING DATE: 2000-05-03

PRIOR APPLICATION NUMBER: US 60/133,039

PRIOR FILING DATE: 1999-05-07

NUMBER OF SEQ ID NOS: 51

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 35

LENGTH: 51

TYPE: PRT

ORGANISM: Picramnia pentandra

US-10-178-449A-35

Query Match 55.4%; Score 41; DB 14; Length 51;
Best Local Similarity 50.0%; Pred. No. 24;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 25 CRSMWKADNRSC 36

RESULT 5

US-10-178-449A-37
; Sequence 37, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic version of Picramnia pentandra mature
; OTHER INFORMATION: peptide with a barley alpha amylase signal peptide
US-10-178-449A-37

Query Match 55.4%; Score 41; DB 14; Length 75;
Best Local Similarity 50.0%; Pred. No. 34;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 49 CRSMWKADNRSC 60

RESULT 6
US-10-178-449A-8

Sequence 8, Application US/10178449A
Publication No. US20030140368A1
GENERAL INFORMATION:
APPLICANT: Famodu, Omolayo O.
APPLICANT: Hermann, Rafael
APPLICANT: Lu, Albert L.
APPLICANT: McCutchen, Billy Fred
APPLICANT: Miao, Guo-Hua
APPLICANT: Presnall, James K.
APPLICANT: Rafalski, Jan Antoni
APPLICANT: Weng, Zude
TITLE OF INVENTION: Plant Defensins
FILE REFERENCE: 35718/249123
CURRENT APPLICATION NUMBER: US/10/178,449A
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 10/030,516
PRIOR FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: PCT/US00/11952
PRIOR FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 60/133,039
PRIOR FILING DATE: 1999-05-07
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 110
TYPE: PRT
ORGANISM: Picramnia pentandra
US-10-178-449A-8

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSWKADNRSC 12
DB 84 CRSWKADNRSC 95

RESULT 7
US-10-178-449A-30

Sequence 30, Application US/10178449A
Publication No. US20030140368A1
GENERAL INFORMATION:
APPLICANT: Famodu, Omolayo O.
APPLICANT: Hermann, Rafael
APPLICANT: Lu, Albert L.
APPLICANT: McCutchen, Billy Fred
APPLICANT: Miao, Guo-Hua
APPLICANT: Presnall, James K.
APPLICANT: Rafalski, Jan Antoni
APPLICANT: Weng, Zude
TITLE OF INVENTION: Plant Defensins
FILE REFERENCE: 35718/249123
CURRENT APPLICATION NUMBER: US/10/178,449A
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 10/030,516
PRIOR FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: PCT/US00/11952
PRIOR FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 60/133,039
PRIOR FILING DATE: 1999-05-07
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 110
TYPE: PRT
ORGANISM: Picramnia pentandra
US-10-178-449A-30

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSWKADNRSC 12
DB 84 CRSWKADNRSC 95

RESULT 8
US-10-101-464A-769

Sequence 769, Application US/10101464A
Publication No. US20030046728A1
GENERAL INFORMATION:
APPLICANT: Strabala, Timothy
APPLICANT: Nieuwenhuizen, Nicolaas
APPLICANT: Higgins, Colleen M.
TITLE OF INVENTION: Compositions Isolated from Plant Cells
FILE REFERENCE: 11000.1020C2
CURRENT APPLICATION NUMBER: US/10/101,464A
CURRENT FILING DATE: 2002-03-18
PRIOR APPLICATION NUMBER: 09/704,302
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: 09/228,986
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/162,866
PRIOR FILING DATE: 1999-11-01
PRIOR APPLICATION NUMBER: PCT/US00/00724
PRIOR FILING DATE: 2000-01-11
NUMBER OF SEQ ID NOS: 989
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 769
LENGTH: 170
TYPE: PRT
ORGANISM: Pinus radiata
US-10-101-464A-769

Query Match 55.4%; Score 41; DB 14; Length 170;
Best Local Similarity 54.5%; Pred. No. 71;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 RSWKADNRSC 12
DB 48 RSWKADNRSC 58

RESULT 9
US-10-002-631C-28

Sequence 28, Application US/10002631C
Publication No. US20030157486A1
GENERAL INFORMATION:
APPLICANT: Graff, Jonathan M.
APPLICANT: Muenster, Matthew
TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
FILE REFERENCE: A34943 090455.0243
CURRENT APPLICATION NUMBER: US/10/002,631C
CURRENT FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: 60/300,309
PRIOR FILING DATE: 2001-06-21
NUMBER OF SEQ ID NOS: 324
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 28
LENGTH: 236
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: UNSURE
LOCATION: (1) ... (93)
OTHER INFORMATION: Xaa = any amino acid
US-10-002-631C-28

Query Match 55.4%; Score 41; DB 14; Length 236;

Best Local Similarity 50.0%; Pred. No. 96;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 65 CRXWDLQRNRC 76

RESULT 10

US-10-080-170-459
; Sequence 459, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/2270,123
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-459

Query Match 55.4%; Score 41; DB 14; Length 262;
Best Local Similarity 70.0%; Pred. No. 1,1e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 RSMNKADNRSC 11
Db 7 RSMKRPDRS 16

RESULT 11

US-10-101-464A-931
; Sequence 931, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signaling
; FILE REFERENCE: 11000.1020C2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; PRIOR FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 931
; LENGTH: 998
; TYPE: PRT
; ORGANISM: Pinus radiata

FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1) -- (998)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-101-464A-931

Query Match 55.4%; Score 41; DB 14; Length 998;

Best Local Similarity 54.5%; Pred. No. 3.5e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 RSMNKADNRSC 12
Db 48 RNMNENDNSPC 58

RESULT 12

US-10-017-161-1624
; Sequence 1624, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASHI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ASURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1624
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-1624

Query Match 55.4%; Score 41; DB 14; Length 1063;
Best Local Similarity 50.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 551 CLGMRGRKXSSC 562

RESULT 13

US-10-292-798-1296
; Sequence 1296, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ASURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1296
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-1296

Query Match 55.4%; Score 41; DB 15; Length 1063;
Best Local Similarity 50.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 551 CLGMRGRKXSSC 562

RESULT 14

US-10-369-493-6945
 ; Sequence 6945, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO 6945
 ; LENGTH: 497
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-10-369-493-6945

Query Match

54.1%; Score 40; DB 15; Length 497;
 Best Local Similarity 61.5%; Pred. No. 2.7e+02;

Matches 8; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

QY 2 RSWNR--ADNRSC 12

DB 247 RSWNRKENSSTRSC 259

RESULT 15

US-10-178-449A-6
 ; Sequence 6, Application US/10178449A
 ; Publication No. US20030140368A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Famodu, Omolayo O.
 ; APPLICANT: Hermann, Rafael
 ; APPLICANT: Lu, Albert L.
 ; APPLICANT: McCutchen, Billy Fred
 ; APPLICANT: Miao, Guo-Hua
 ; APPLICANT: Presnail, James K.
 ; APPLICANT: Rafalski, Jan Antoni
 ; APPLICANT: Weng, Zude
 ; TITLE OF INVENTION: Plant Defensins
 ; FILE REFERENCE: 35718/249123
 ; CURRENT APPLICATION NUMBER: US/10/178,449A
 ; CURRENT FILING DATE: 2002-06-21
 ; PRIOR APPLICATION NUMBER: US 10/030,516
 ; PRIOR FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: PCT/US00/11952
 ; PRIOR FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 60/133,039
 ; PRIOR FILING DATE: 1999-05-07
 ; NUMBER OF SEQ ID NOS: 51
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 49
 ; TYPE: PRT
 ; ORGANISM: Picramnia pentandra
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: 8, 22, 32, 47
 ; OTHER INFORMATION: Xaa = Any Amino Acid
 US-10-178-449A-6

Query Match

52.7%; Score 39; DB 14; Length 49;
 Best Local Similarity 41.7%; Pred. No. 47;
 Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSWNRKADNRSC 12

DB 23 CRSWNRKADNRSC 34

Search completed: March 1, 2004, 17:16:47
 Job time : 39.0488 secs